

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090320\
 Data File : VL035541.D
 Acq On : 3 Sep 2020 21:50
 Operator : SY/AP
 Sample : L3898-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4DL

Manual Integrations
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Quant Time: Sep 04 07:48:34 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	5.69	49	1057565	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4453811	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	4424175	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	3230578	10.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	48343	1.072	ppbv #	69
11) Trichlorofluoromethane	3.97	101	31772	0.119	ppbv	94
13) Ethanol	3.62	45	453460	40.559	ppbv	96
15) Acetone	3.86	43	5435134	46.598	ppbv	91
17) tert-Butyl alcohol	4.33	59	110895	0.781	ppbv #	79
19) Isopropyl Alcohol	4.00	45	40935m	0.588	ppbv	
20) Methylene Chloride	4.36	84	81782	0.941	ppbv	93
26) Hexane	5.71	57	40494	0.347	ppbv #	56
34) 2-Butanone	5.28	43	22338	0.169	ppbv	99
53) Toluene	9.84	91	228592	0.631	ppbv	97
79) Naphthalene	22.27	128	81854	0.149	ppbv #	92

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

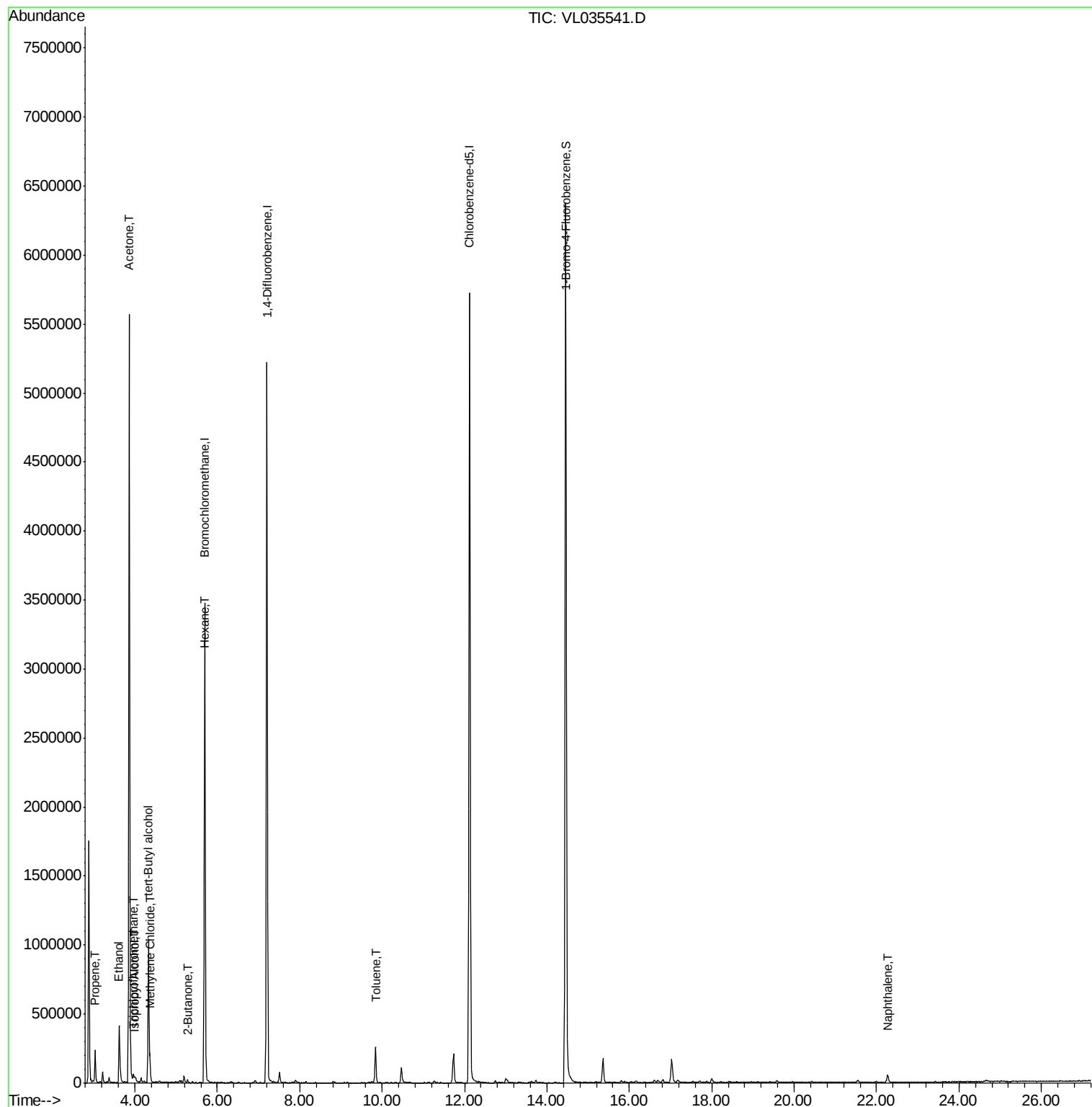
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL090320\
Data File : VL035541.D
Acq On : 3 Sep 2020 21:50
Operator : SY/AP
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Misc : 400ml/MSVOA L
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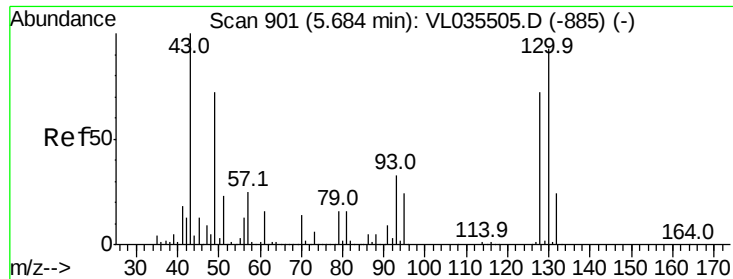
Instrument :
MSVOA_L
ClientSampleId :
IA-4DL

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Quant Time: Sep 04 07:48:34 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

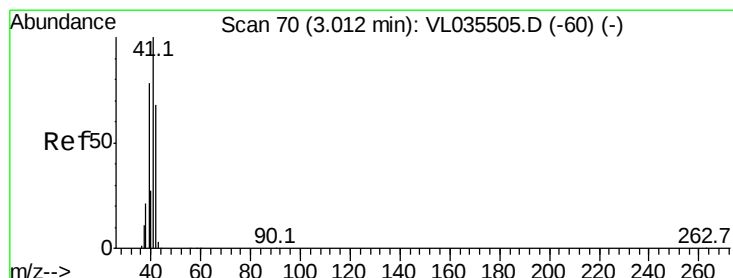
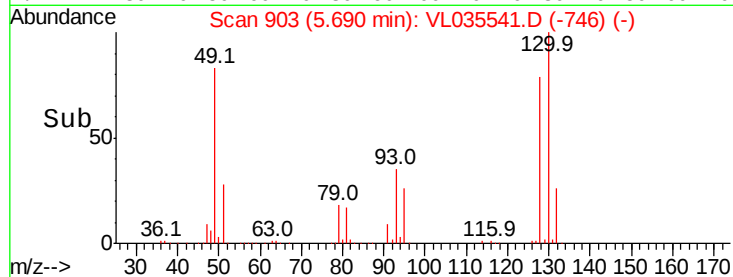
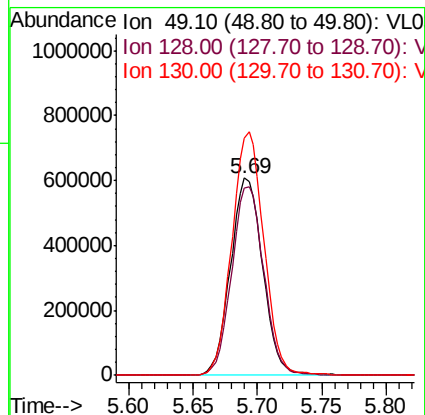
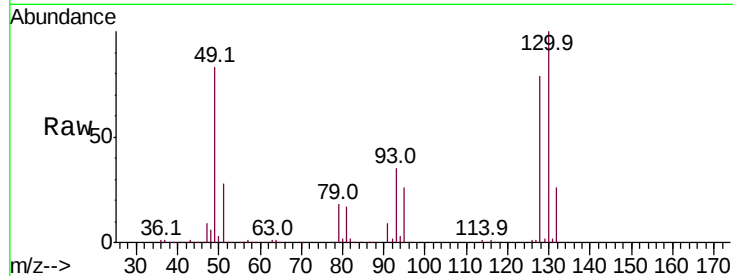
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.69 min Scan# 903
 Delta R.T. 0.01 min
 Lab File: VL035541.D
 Acq: 3 Sep 2020 21:50

Instrument :
 MSVOA_L
 ClientSampled :
 IA-4DL

Tot Ion: 49 Resp: 1057565
 Ion Ratio Lower Upper
 49 100
 128 95.5 50.0 150.1
 130 122.4 64.4 193.2

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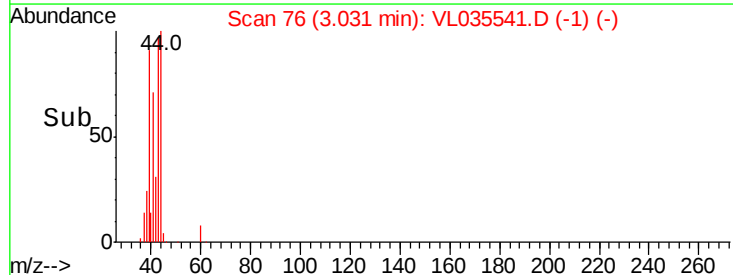
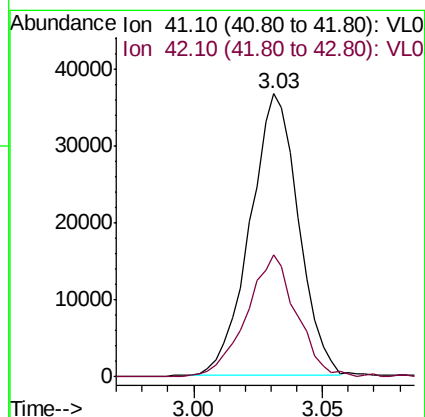
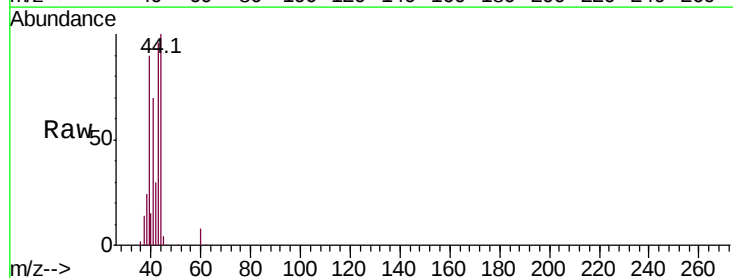
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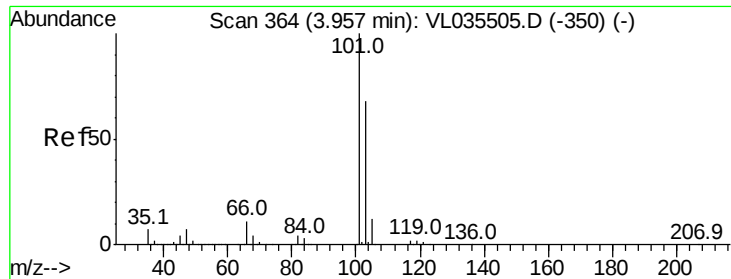


#9

Propene
 Concen: 1.072 ppbv
 RT: 3.03 min Scan# 76
 Delta R.T. 0.02 min
 Lab File: VL035541.D
 Acq: 3 Sep 2020 21:50

Tgt Ion: 41 Resp: 48343
 Ion Ratio Lower Upper
 41 100
 42 44.8 56.3 84.5#





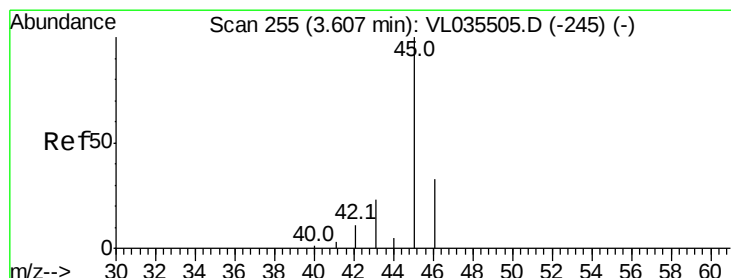
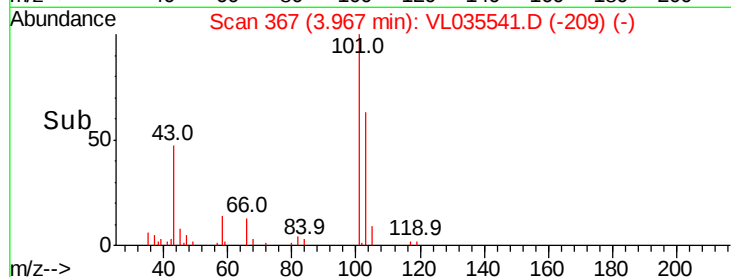
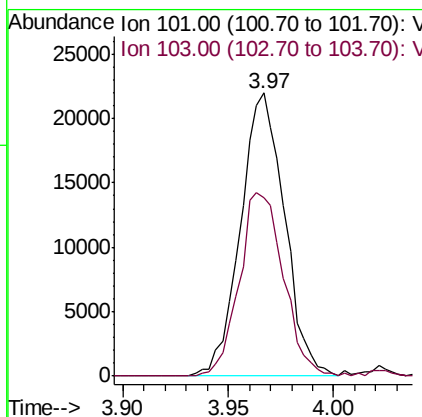
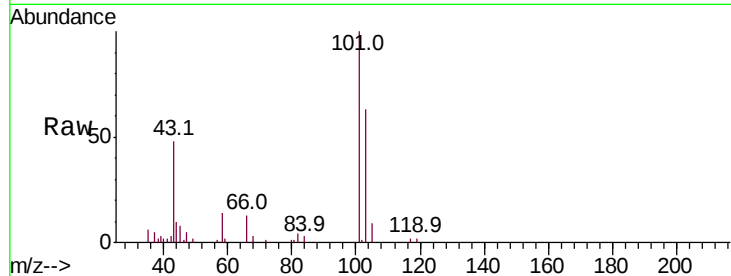
#11
 Trichlorofluoromethane
 Concen: 0.119 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. 0.01 min
 Lab File: VL035541.D
 Acq: 3 Sep 2020 21:50

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4DL

Tot Ion:101 Resp: 31772
 Ion Ratio Lower Upper
 101 100
 103 63.0 54.5 81.7

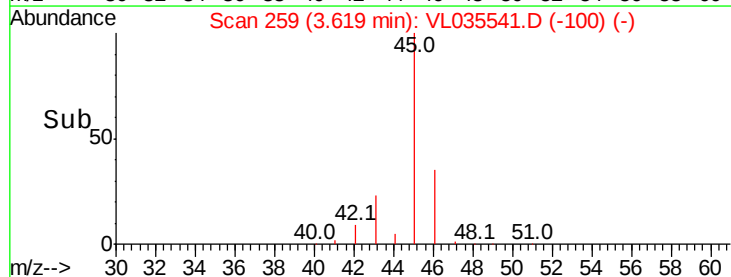
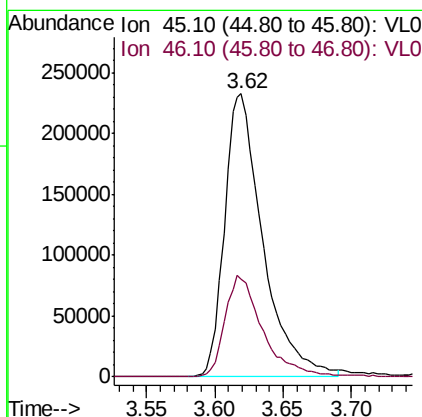
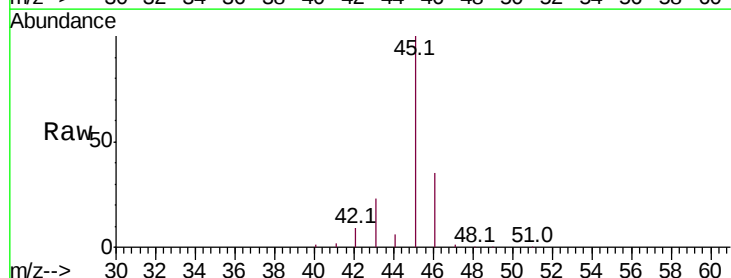
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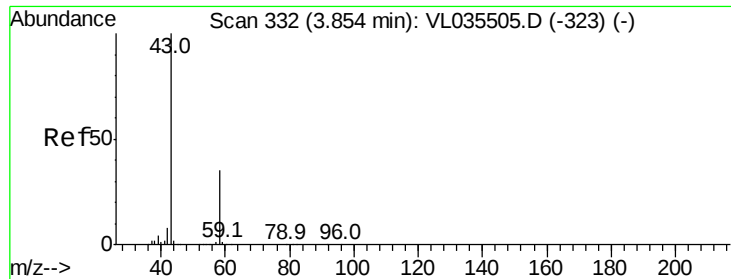
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#13
 Ethanol
 Concen: 40.559 ppbv
 RT: 3.62 min Scan# 259
 Delta R.T. 0.01 min
 Lab File: VL035541.D
 Acq: 3 Sep 2020 21:50

Tgt Ion: 45 Resp: 453460
 Ion Ratio Lower Upper
 45 100
 46 35.6 15.2 60.6





#15

Acetone

Concen: 46.598 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL035541.D

Acq: 3 Sep 2020 21:50

Instrument :

MSVOA_L

ClientSampled :

IA-4DL

Tot Ion: 43 Resp: 5435134

Ion Ratio Lower Upper

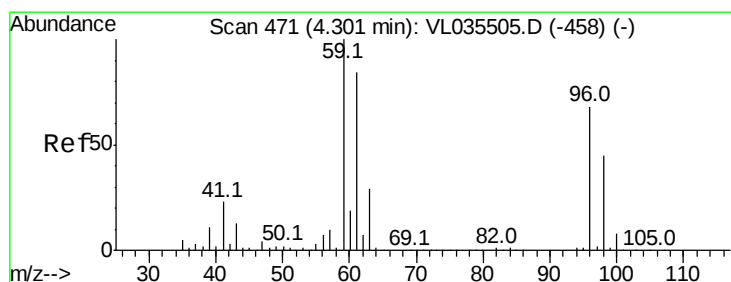
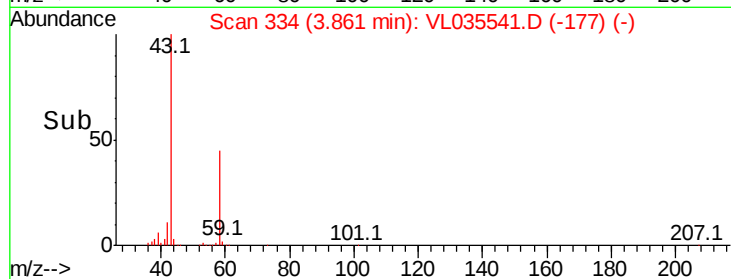
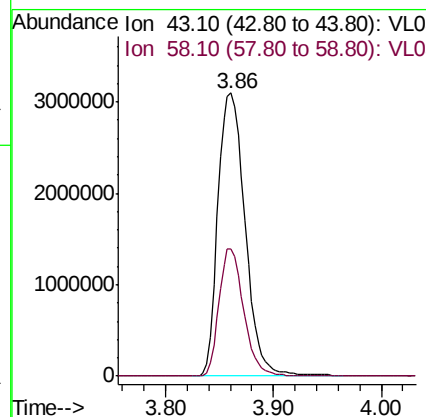
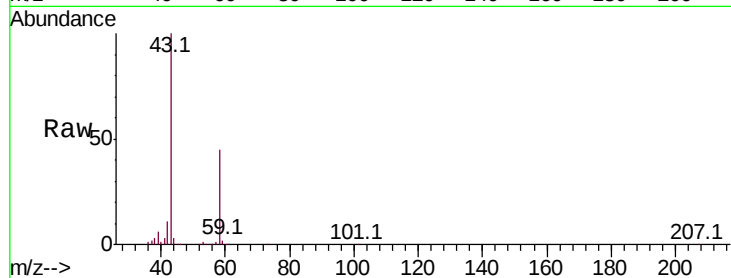
43 100

58 41.0 28.4 42.6

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#17

tert-Butyl alcohol

Concen: 0.781 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.03 min

Lab File: VL035541.D

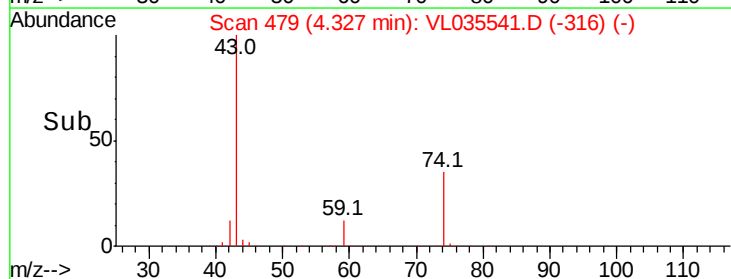
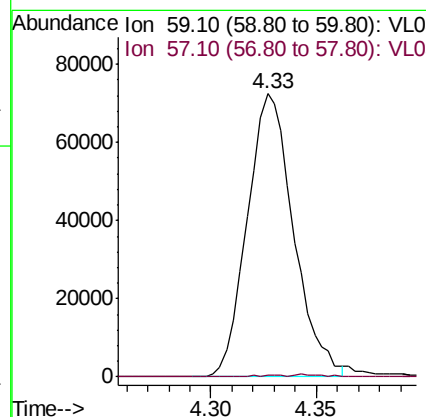
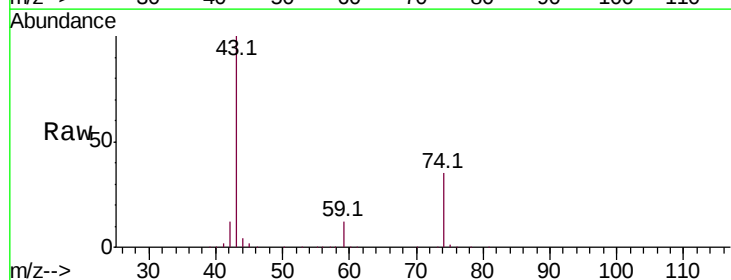
Acq: 3 Sep 2020 21:50

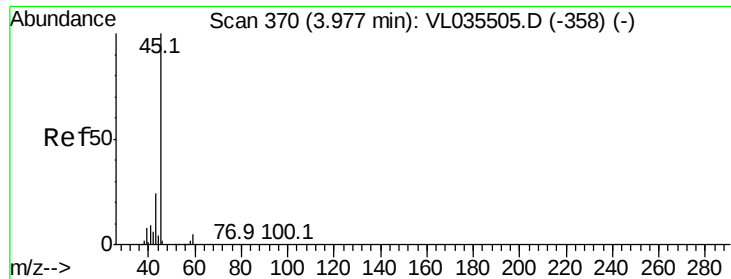
Tgt Ion: 59 Resp: 110895

Ion Ratio Lower Upper

59 100

57 2.7 8.4 12.6#





#19

Isopropyl Alcohol

Concen: 0.588 ppbv m

RT: 4.00 min Scan# 376

Delta R.T. 0.02 min

Lab File: VL035541.D

Acq: 3 Sep 2020 21:50

Instrument :

MSVOA_L

ClientSampleId :

IA-4DL

Tot Ion: 45 Resp: 40935

Ion Ratio Lower Upper

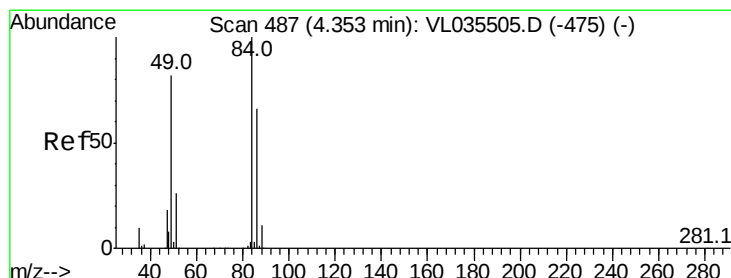
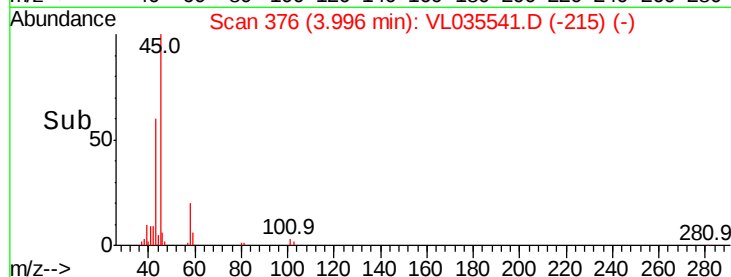
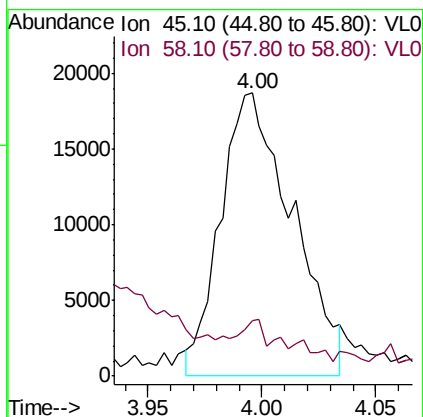
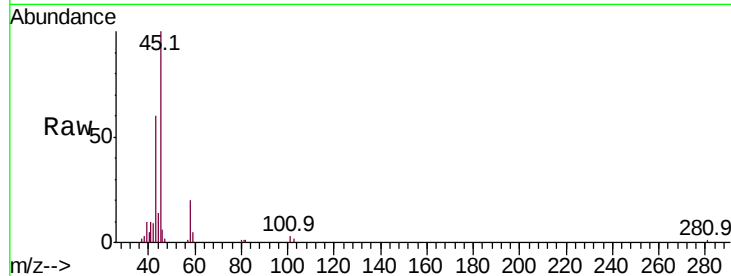
45 100

58 0.0 2.0 3.0#

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#20

Methylene Chloride

Concen: 0.941 ppbv

RT: 4.36 min Scan# 490

Delta R.T. 0.01 min

Lab File: VL035541.D

Acq: 3 Sep 2020 21:50

Tgt Ion: 84 Resp: 81782

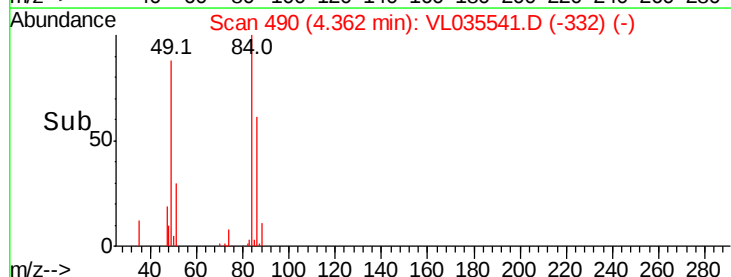
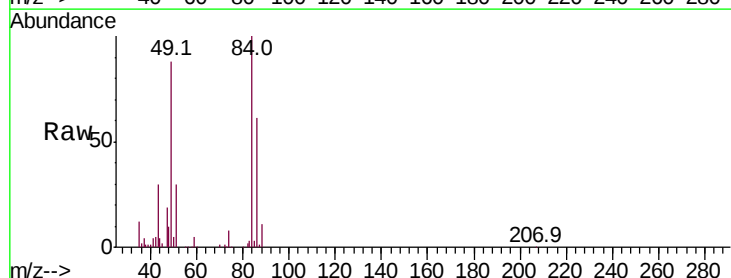
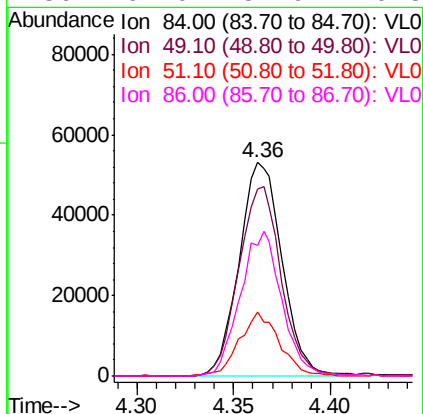
Ion Ratio Lower Upper

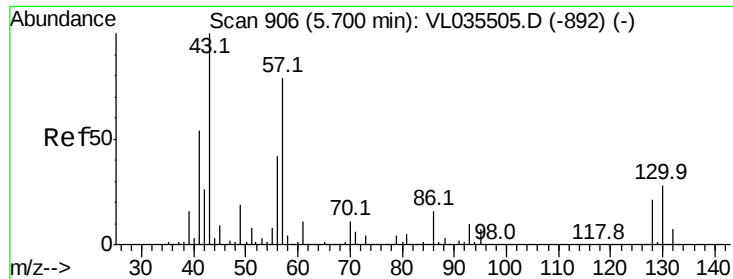
84 100

49 87.8 65.4 98.0

51 29.9 21.5 32.3

86 61.0 52.9 79.3





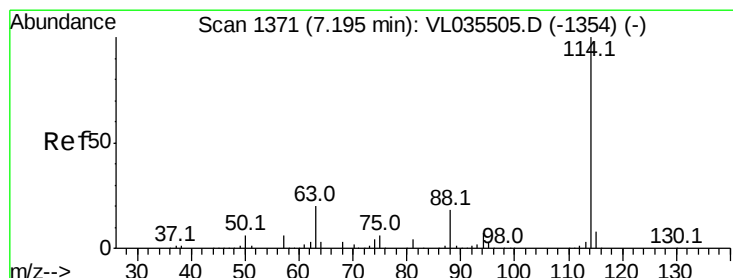
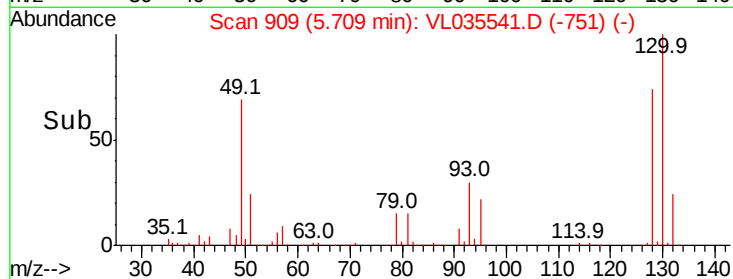
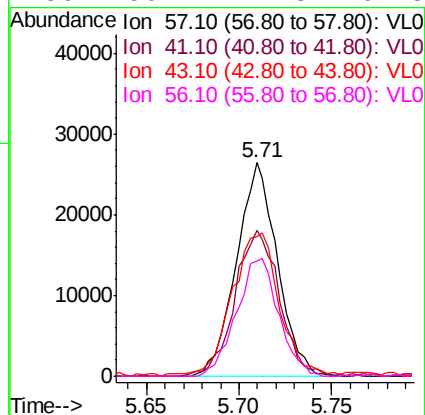
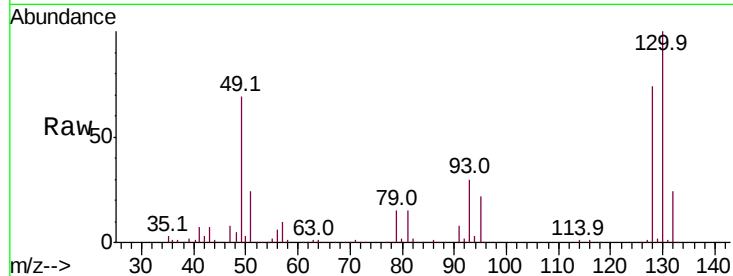
#26
Hexane
Concen: 0.347 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.01 min
Lab File: VL035541.D
Acq: 3 Sep 2020 21:50

Instrument :
MSVOA_L
ClientSampleId :
IA-4DL

Tot Ion: 57 Resp: 40494
Ion Ratio Lower Upper
57 100
41 75.2 55.9 83.9
43 78.1 141.8 212.8#
56 56.7 41.8 62.8

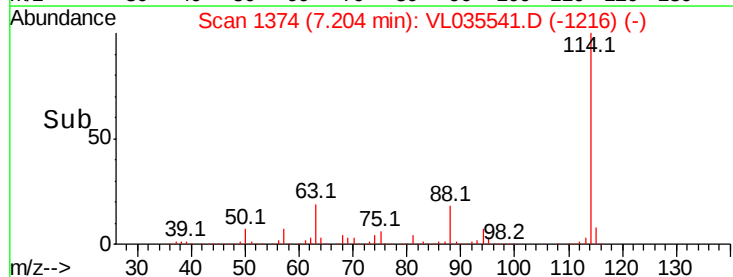
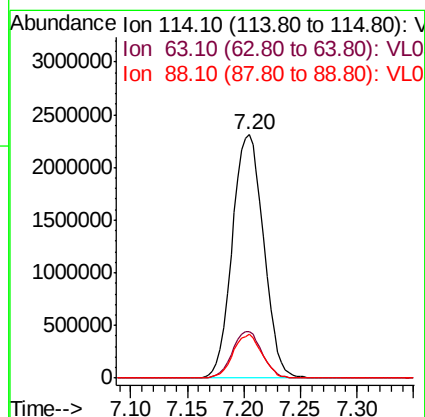
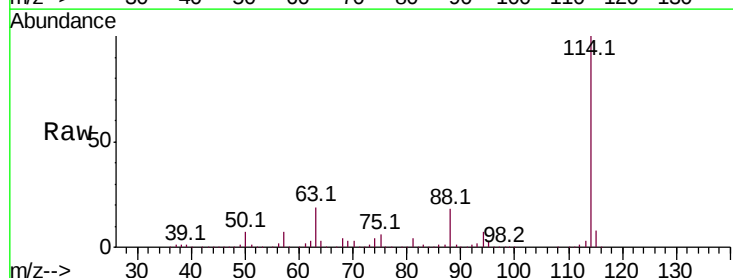
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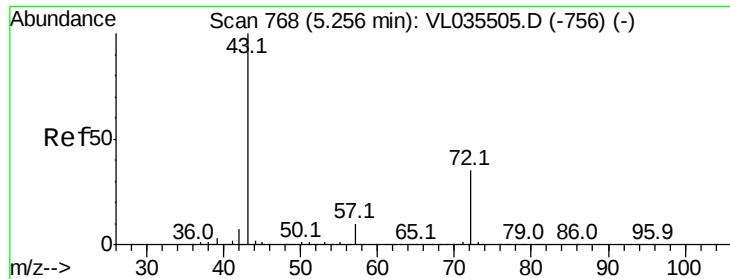
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1374
Delta R.T. 0.01 min
Lab File: VL035541.D
Acq: 3 Sep 2020 21:50

Tgt Ion: 114 Resp: 4453811
Ion Ratio Lower Upper
114 100
63 18.3 14.7 22.1
88 16.8 13.4 20.2





#34

2-Butanone

Concen: 0.169 ppbv

RT: 5.28 min Scan# 774

Delta R.T. 0.02 min

Lab File: VL035541.D

Acq: 3 Sep 2020 21:50

Instrument :

MSVOA_L

ClientSampled :

IA-4DL

Tot Ion: 43 Resp: 22338

Ion Ratio Lower Upper

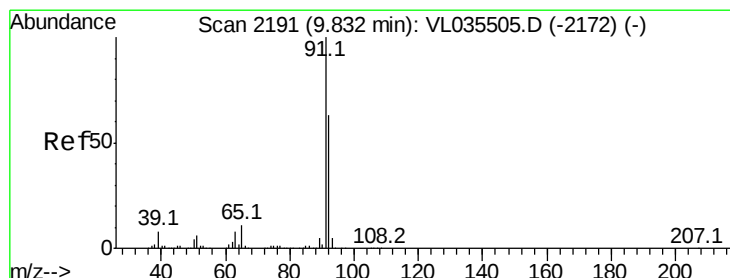
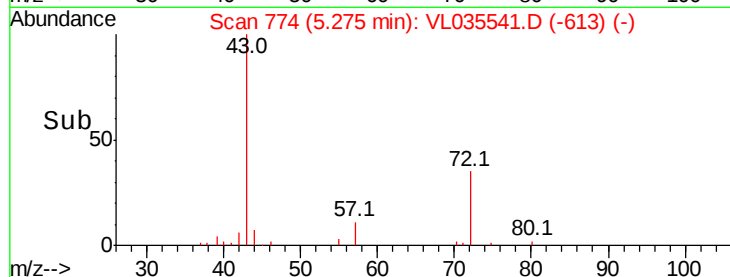
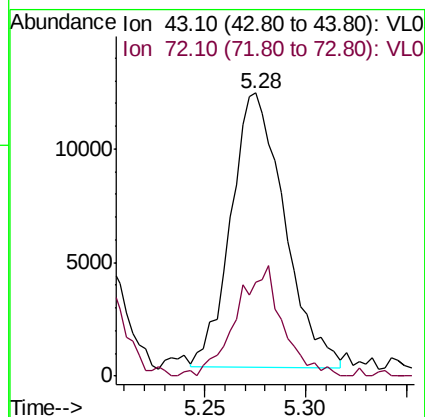
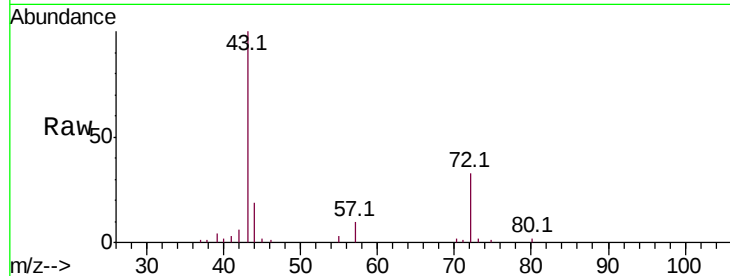
43 100

72 34.9 27.7 41.5

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#53

Toluene

Concen: 0.631 ppbv

RT: 9.84 min Scan# 2194

Delta R.T. 0.01 min

Lab File: VL035541.D

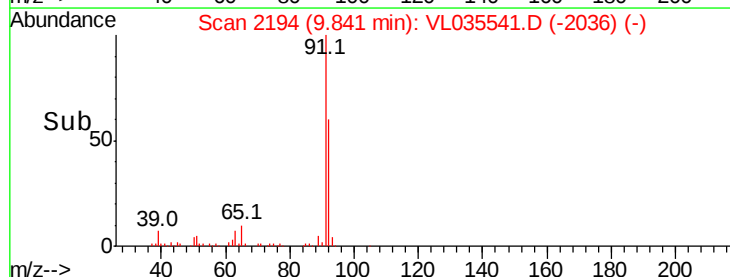
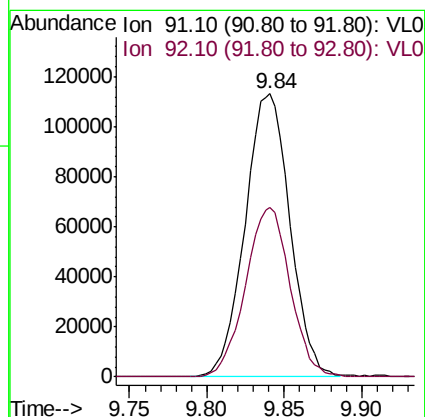
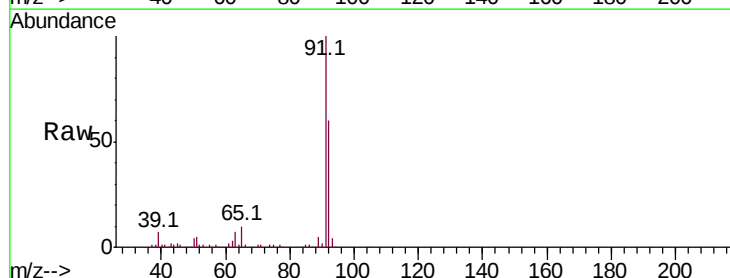
Acq: 3 Sep 2020 21:50

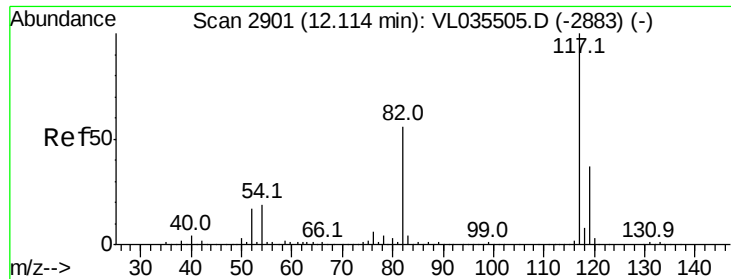
Tgt Ion: 91 Resp: 228592

Ion Ratio Lower Upper

91 100

92 59.7 49.8 74.8





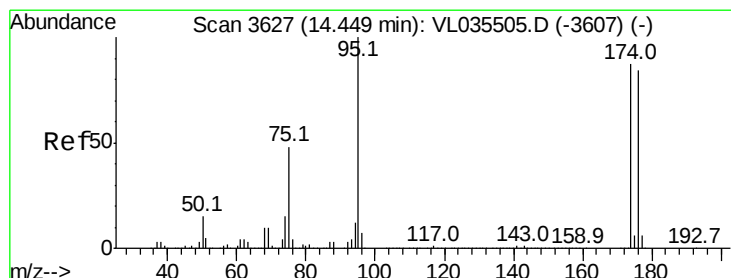
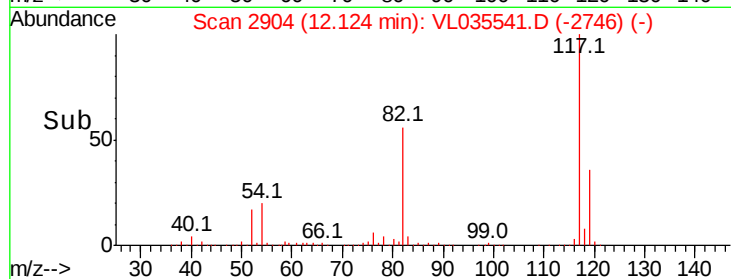
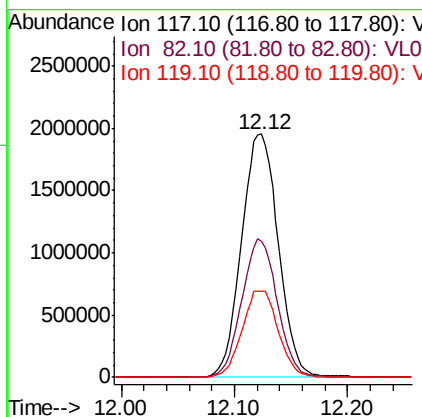
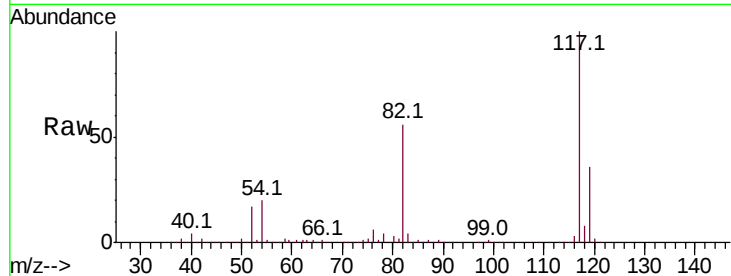
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.01 min
Lab File: VL035541.D
Acq: 3 Sep 2020 21:50

Instrument :
MSVOA_L
ClientSampled :
IA-4DL

Tot Ion:117 Resp: 4424175
Ion Ratio Lower Upper
117 100
82 55.2 41.6 62.4
119 35.1 29.3 43.9

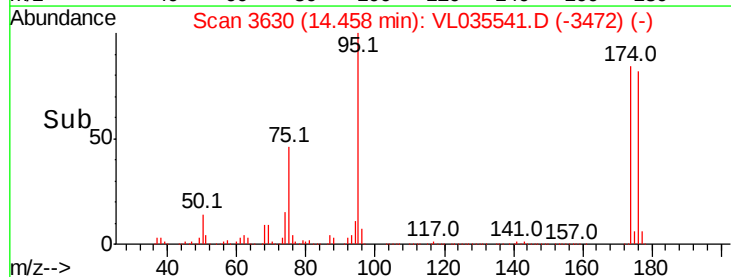
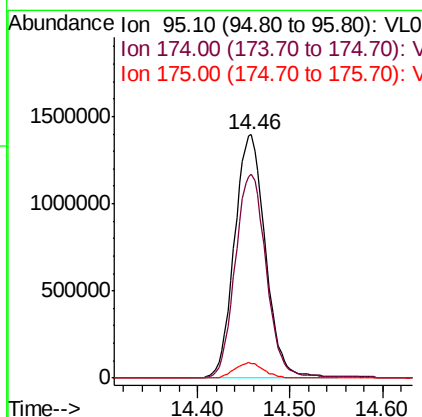
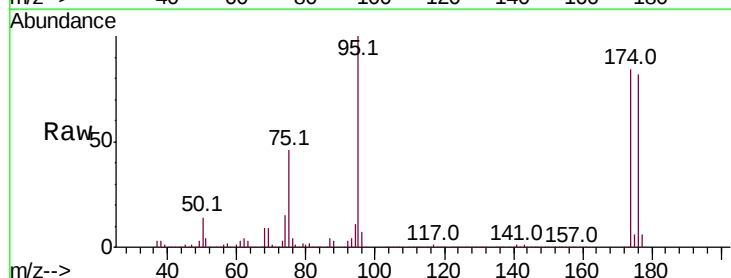
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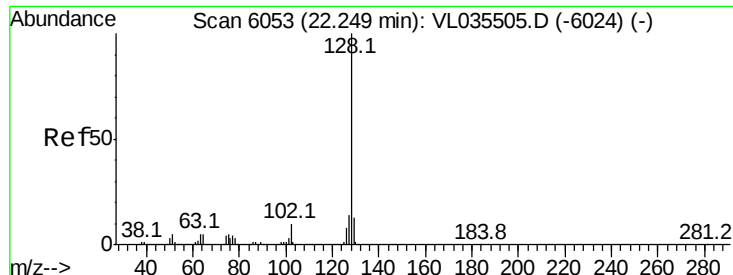
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.282 ppbv
RT: 14.46 min Scan# 3630
Delta R.T. 0.01 min
Lab File: VL035541.D
Acq: 3 Sep 2020 21:50

Tgt Ion: 95 Resp: 3230578
Ion Ratio Lower Upper
95 100
174 85.4 69.6 104.4
175 6.2 5.1 7.7





#79
Naphthalene
Concen: 0.149 ppbv
RT: 22.27 min Scan# 6060
Delta R.T. 0.02 min
Lab File: VL035541.D
Acq: 3 Sep 2020 21:50

Instrument :
MSVOA_L
ClientSampleId :
IA-4DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.9	11.4	17.2#
129	9.8	10.5	15.7#

Manual Integrations
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