

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090320\
 Data File : VL035539.D
 Acq On : 3 Sep 2020 20:30
 Operator : SY/AP
 Sample : L3898-03DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3DL

Manual Integrations
 APPROVED

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 9/8/2020 5:12:48 PM

Quant Time: Sep 04 07:42:17 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	1027619	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4367403	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	4363108	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3149656	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	21214m	0.484	ppbv	
13) Ethanol	3.62	45	61472	5.659	ppbv	96
15) Acetone	3.86	43	2272372	20.050	ppbv	99
17) tert-Butyl alcohol	4.32	59	37303m	0.270	ppbv	
19) Isopropyl Alcohol	4.00	45	10352	0.153	ppbv #	93
20) Methylene Chloride	4.36	84	47450	0.562	ppbv	96
26) Hexane	5.71	57	18841	0.166	ppbv #	54
53) Toluene	9.83	91	40639m	0.114	ppbv	

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

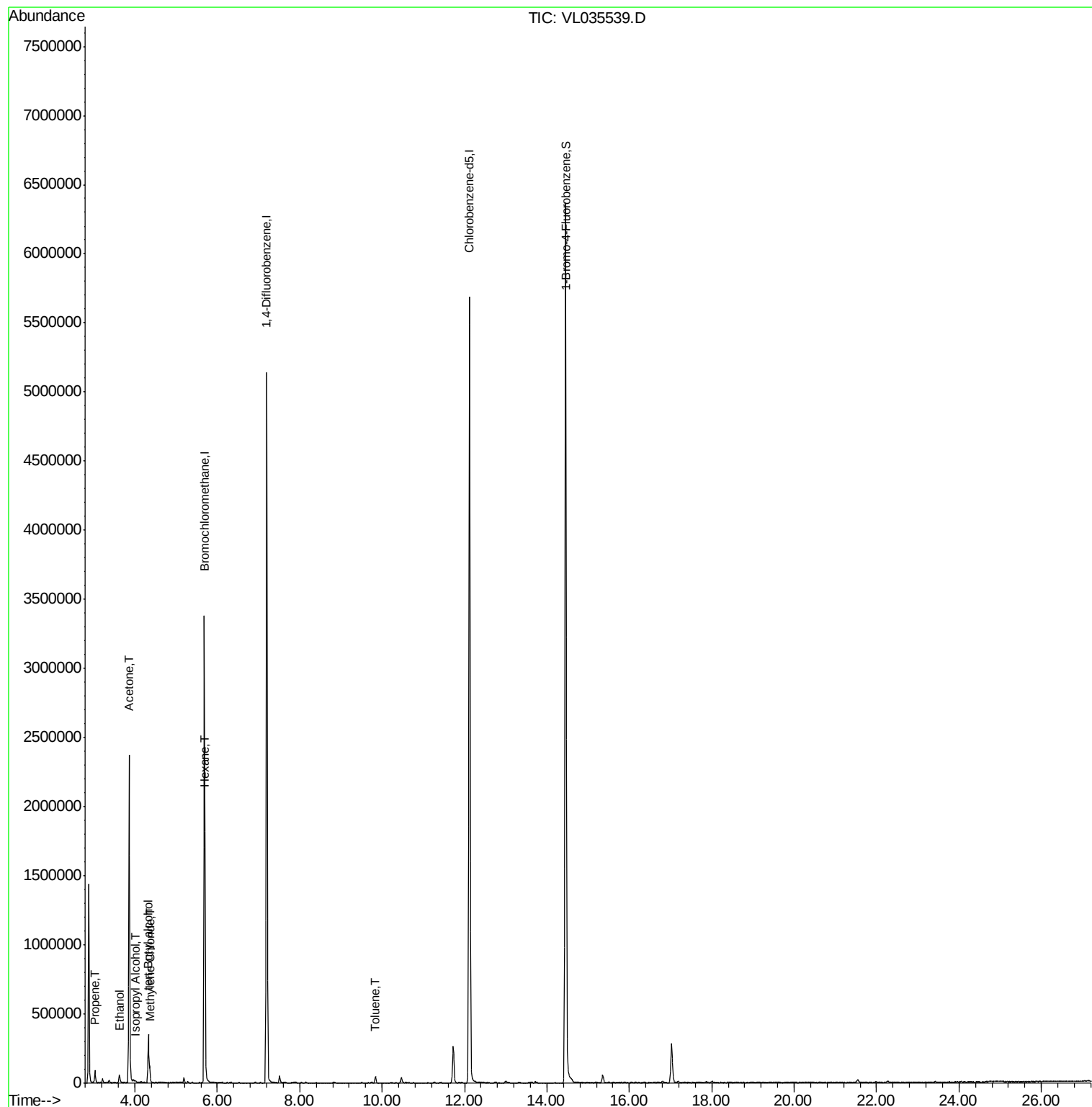
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL090320\
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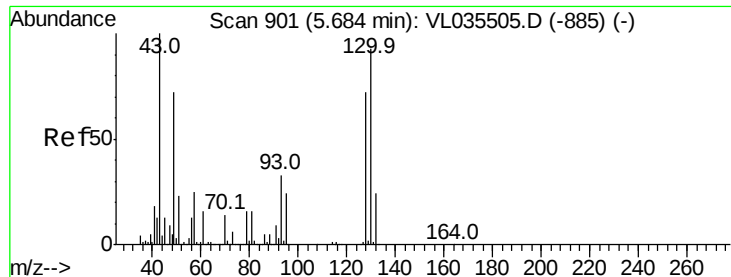
Instrument :
MSVOA_L
ClientSampleId :
IA-3DL

Manual Integrations
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Quant Time: Sep 04 07:42:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
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QLast Update : Thu Aug 27 06:46:28 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL035539.D

Acq: 3 Sep 2020 20:30

Instrument :

MSVOA_L

ClientSampled :

IA-3DL

Tot Ion: 49 Resp: 1027619

Ion Ratio Lower Upper

49 100

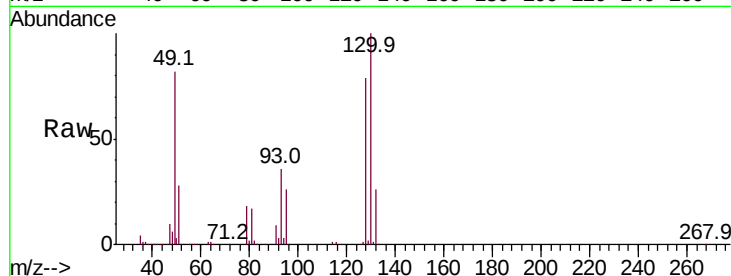
128 97.0 50.0 150.1

130 124.1 64.4 193.2

Manual Integrations
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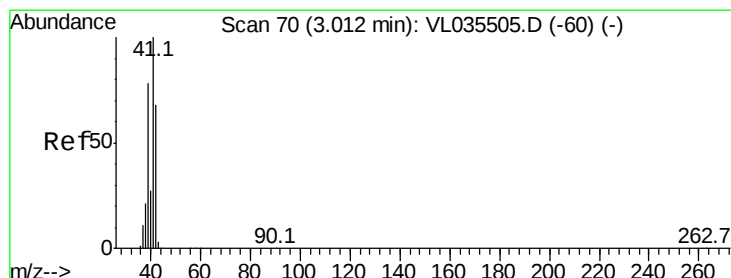
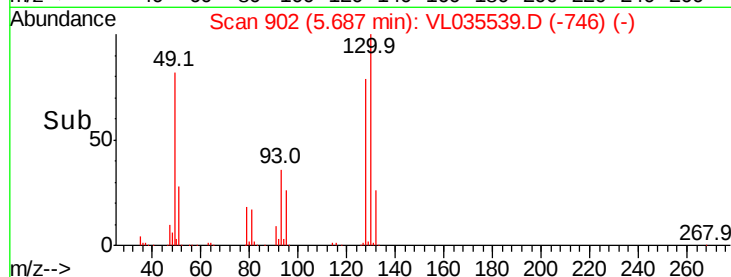
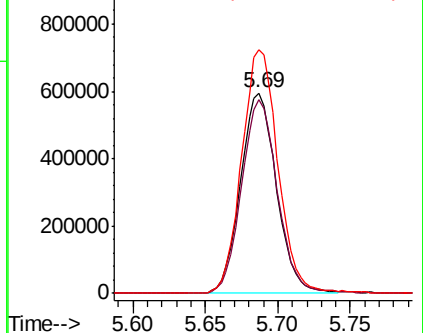
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.484 ppbv m

RT: 3.02 min Scan# 74

Delta R.T. 0.01 min

Lab File: VL035539.D

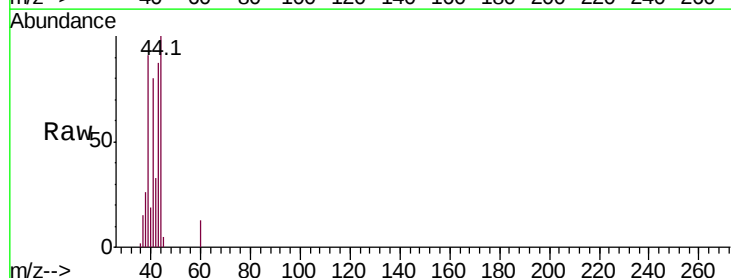
Acq: 3 Sep 2020 20:30

Tgt Ion: 41 Resp: 21214

Ion Ratio Lower Upper

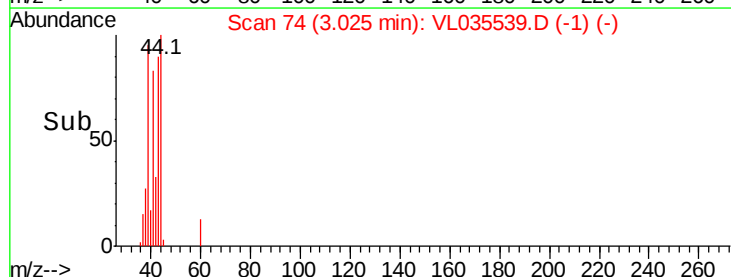
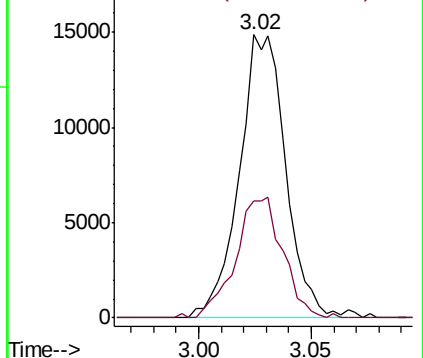
41 100

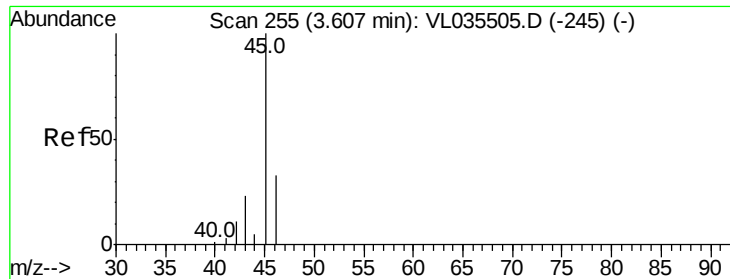
42 9.6 56.3 84.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 5.659 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.01 min

Lab File: VL035539.D

Acq: 3 Sep 2020 20:30

Instrument :

MSVOA_L

ClientSampled :

IA-3DL

Tot Ion: 45 Resp: 61472

Ion Ratio Lower Upper

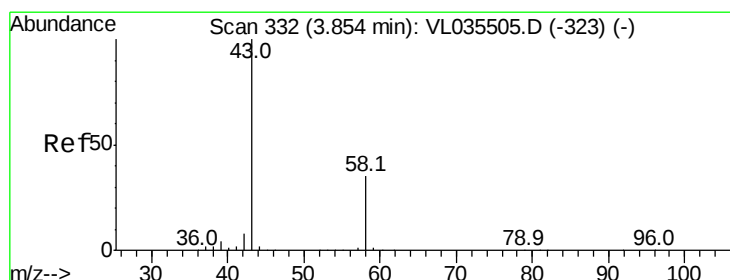
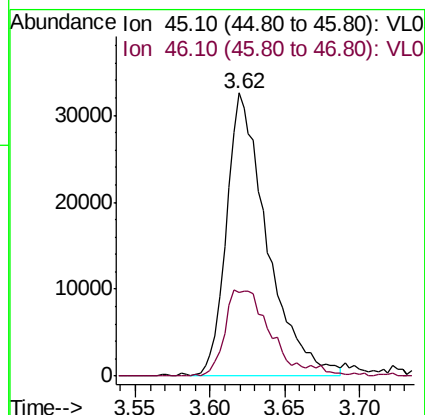
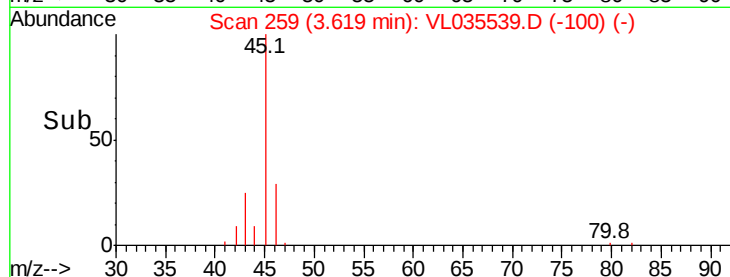
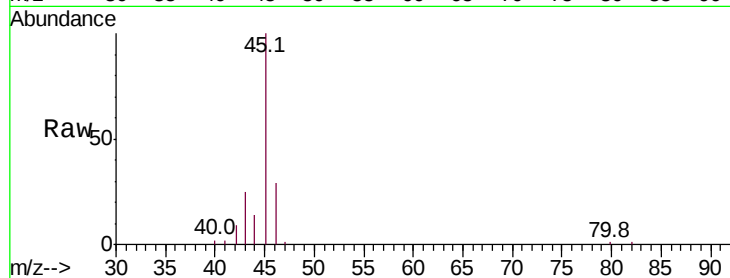
45 100

46 35.3 15.2 60.6

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#15

Acetone

Concen: 20.050 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL035539.D

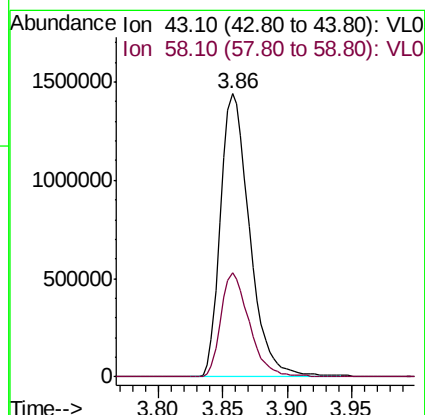
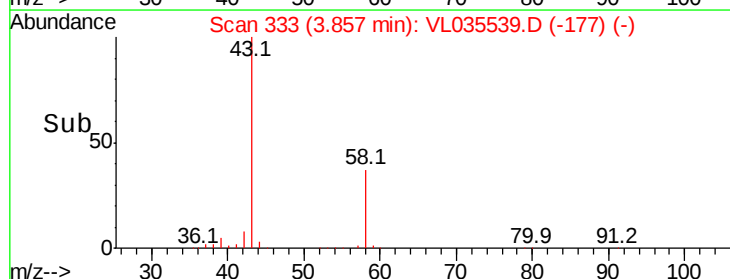
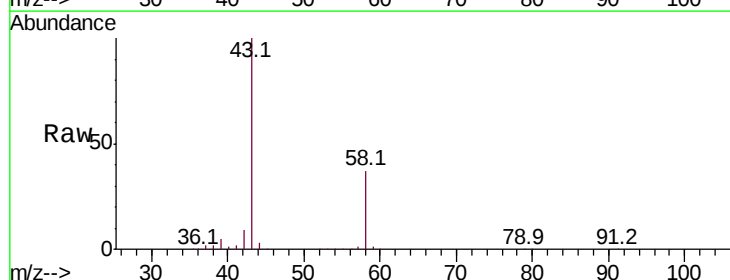
Acq: 3 Sep 2020 20:30

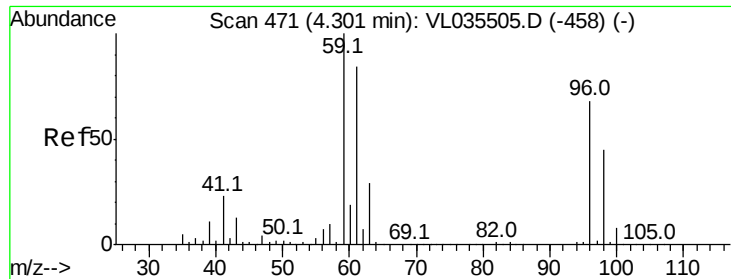
Tgt Ion: 43 Resp: 2272372

Ion Ratio Lower Upper

43 100

58 36.1 28.4 42.6





#17

tert-Butyl alcohol

Concen: 0.270 ppbv

RT: 4.32 min Scan# 478

Delta R.T. 0.02 min

Lab File: VL035539.D

Acq: 3 Sep 2020 20:30

Instrument :

MSVOA_L

ClientSampled :

IA-3DL

Tot Ion: 59 Resp: 37303

Ion Ratio Lower Upper

59 100

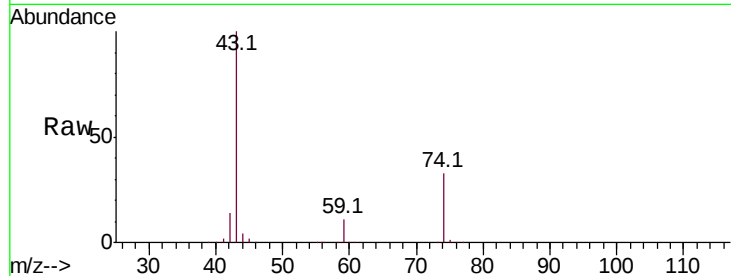
57 0.0 8.4 12.6#

Manual Integrations

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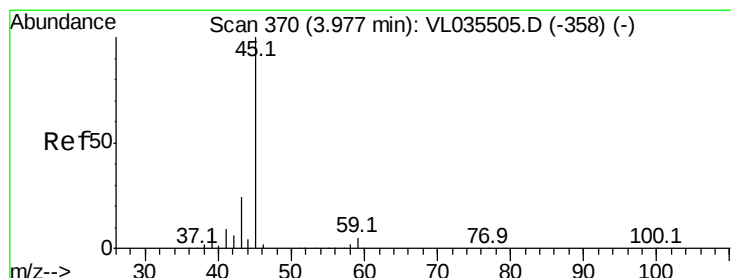
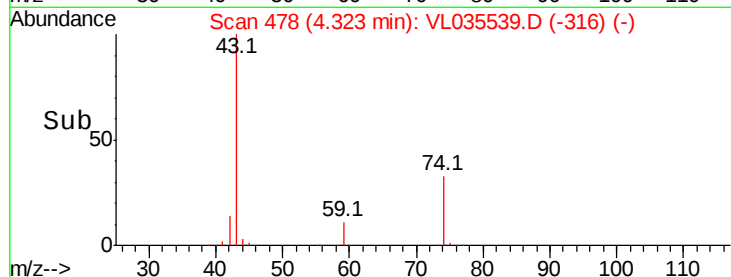
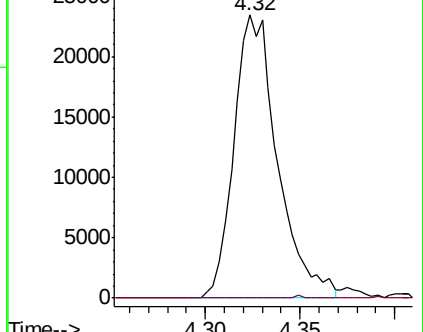
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Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#19

Isopropyl Alcohol

Concen: 0.153 ppbv

RT: 4.00 min Scan# 378

Delta R.T. 0.03 min

Lab File: VL035539.D

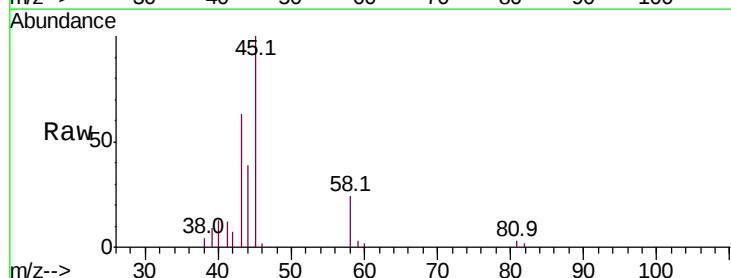
Acq: 3 Sep 2020 20:30

Tgt Ion: 45 Resp: 10352

Ion Ratio Lower Upper

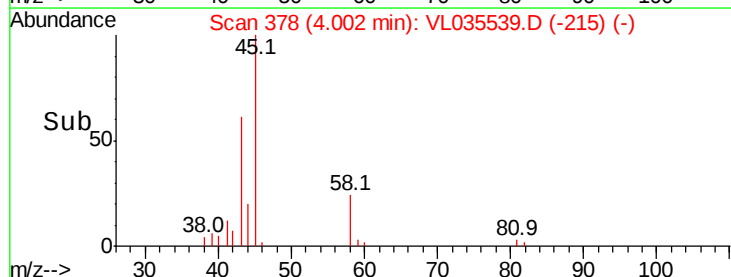
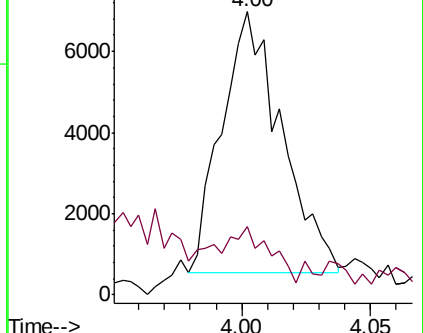
45 100

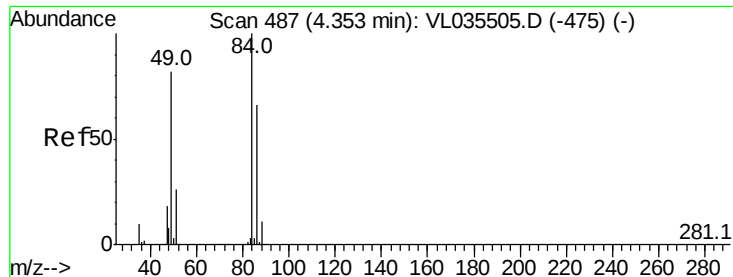
58 0.0 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





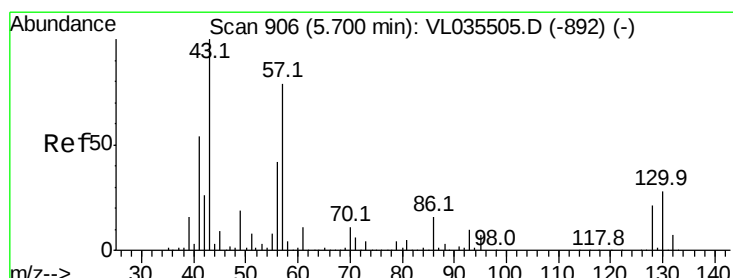
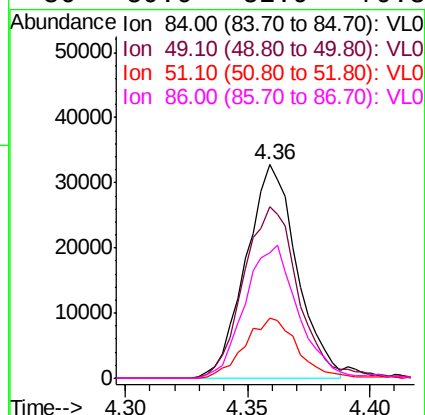
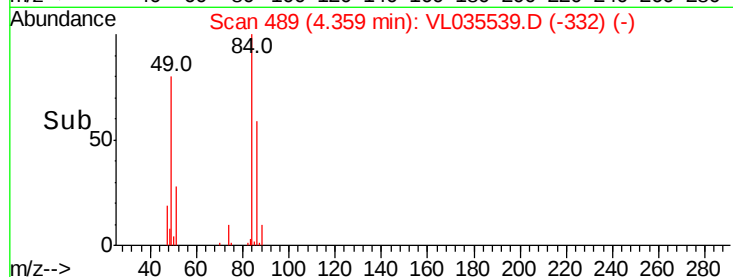
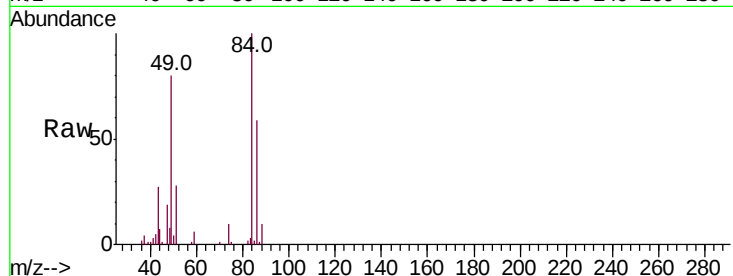
#20
Methvlene Chloride
Concen: 0.562 ppbv
RT: 4.36 min Scan# 489
Delta R.T. 0.01 min
Lab File: VL035539.D
Acq: 3 Sep 2020 20:30

Instrument :
MSVOA_L
ClientSampled :
IA-3DL

Tot Ion	84	Resp:	47450
Ion Ratio	100	Lower	Upper
84	100		
49	80.5	65.4	98.0
51	27.9	21.5	32.3
86	59.0	52.9	79.3

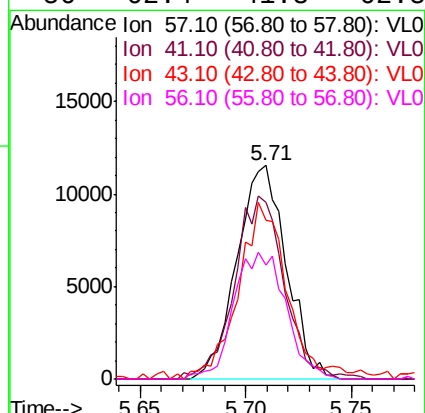
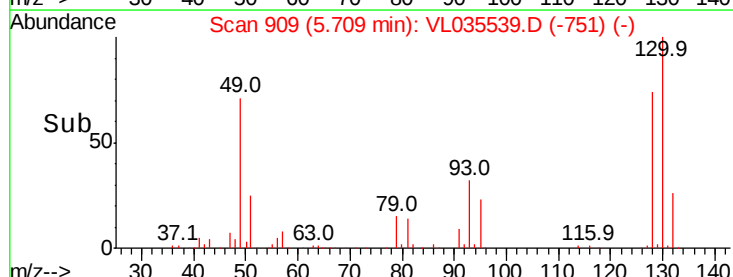
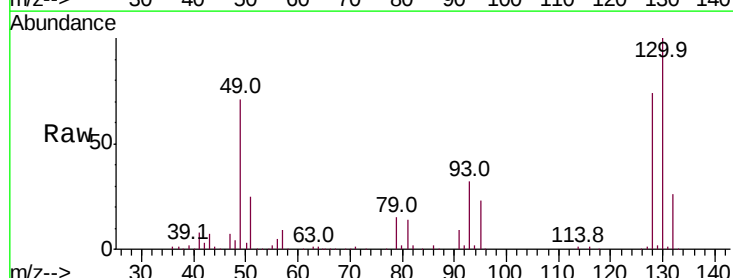
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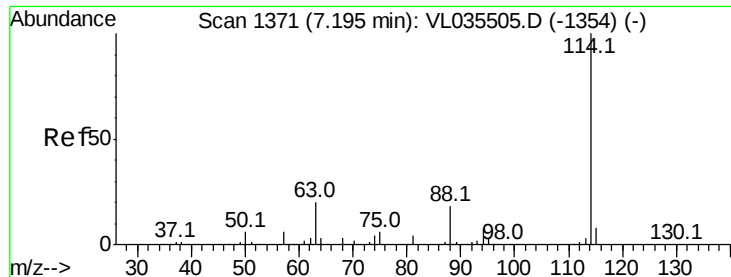
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#26
Hexane
Concen: 0.166 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.01 min
Lab File: VL035539.D
Acq: 3 Sep 2020 20:30

Tgt Ion	57	Resp:	18841
Ion Ratio	100	Lower	Upper
57	100		
41	86.2	55.9	83.9#
43	84.0	141.8	212.8#
56	62.4	41.8	62.8





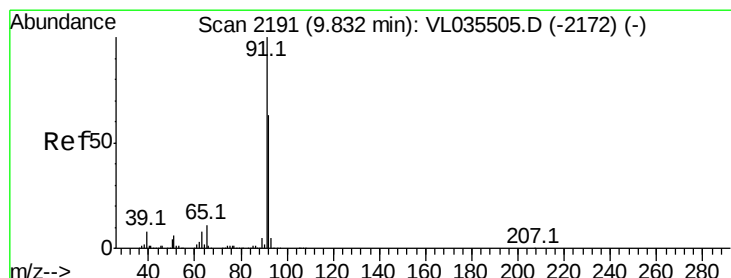
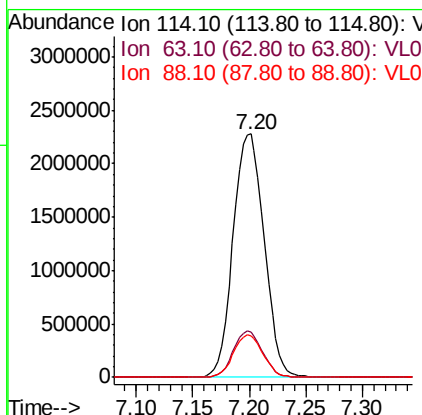
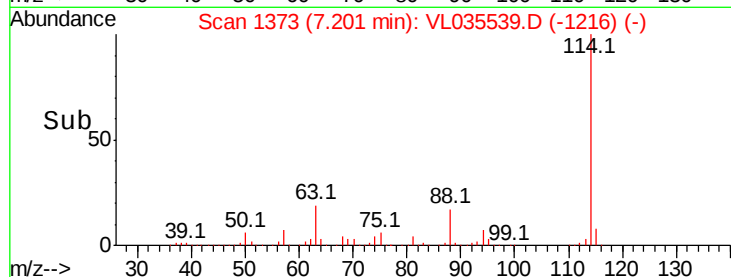
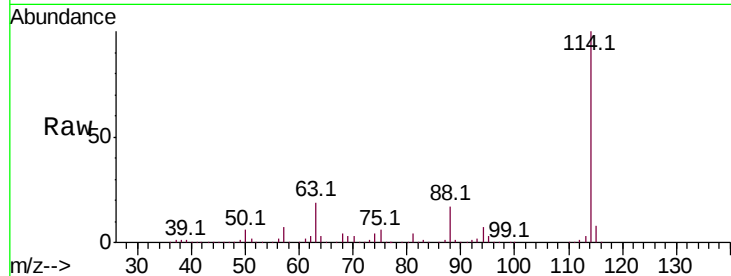
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1373
 Delta R.T. 0.01 min
 Lab File: VL035539.D
 Acq: 3 Sep 2020 20:30

Instrument :
 MSVOA_L
 ClientSampled :
 IA-3DL

Tot Ion:114 Resp: 4367403
 Ion Ratio Lower Upper
 114 100
 63 18.1 14.7 22.1
 88 16.6 13.4 20.2

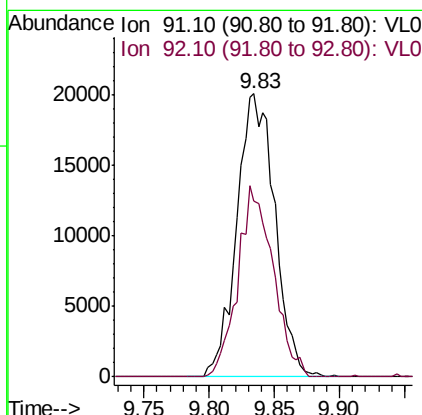
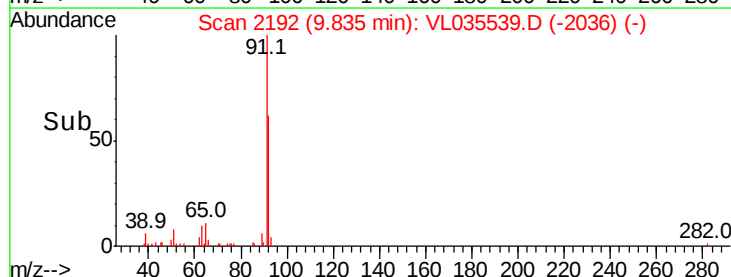
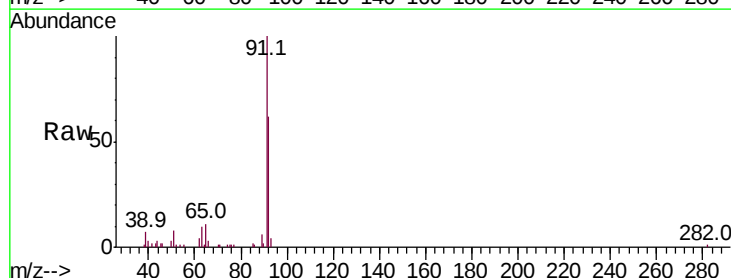
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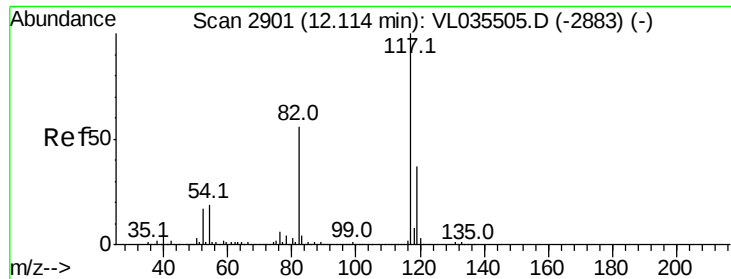
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#53
 Toluene
 Concen: 0.114 ppbv m
 RT: 9.83 min Scan# 2192
 Delta R.T. 0.00 min
 Lab File: VL035539.D
 Acq: 3 Sep 2020 20:30

Tgt Ion: 91 Resp: 40639
 Ion Ratio Lower Upper
 91 100
 92 0.0 49.8 74.8#





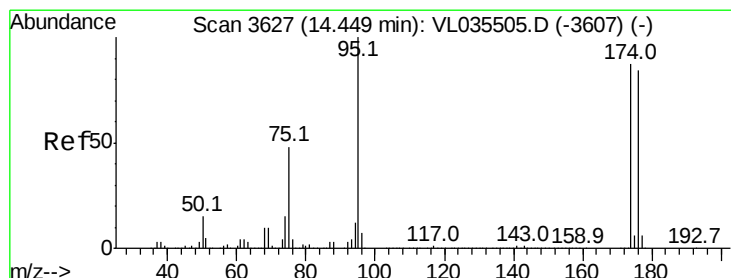
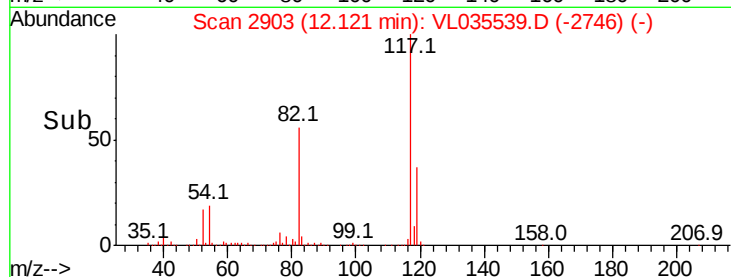
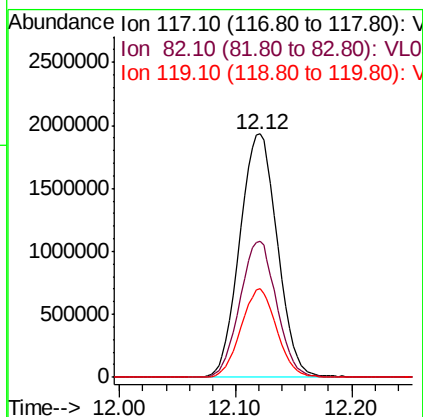
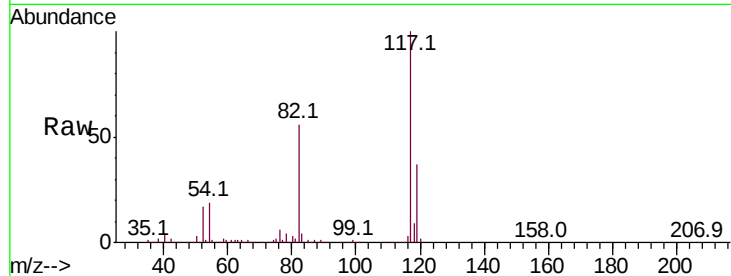
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL035539.D
Acq: 3 Sep 2020 20:30

Instrument :
MSVOA_L
ClientSampled :
IA-3DL

Tot Ion:117 Resp: 4363108
Ion Ratio Lower Upper
117 100
82 54.7 41.6 62.4
119 34.8 29.3 43.9

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.165 ppbv
RT: 14.45 min Scan# 3628
Delta R.T. 0.00 min
Lab File: VL035539.D
Acq: 3 Sep 2020 20:30

Tgt Ion: 95 Resp: 3149656
Ion Ratio Lower Upper
95 100
174 87.1 69.6 104.4
175 6.3 5.1 7.7

