

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112420\
 Data File : VL036004.D
 Acq On : 24 Nov 2020 21:45
 Operator : SY/AP
 Sample : L4843-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-02DL

Manual Integrations
 APPROVED

MMDadoda
 11/27/2020 1:16:25 PM

Quant Time: Nov 26 14:33:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 04
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1417739	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	5140640	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.06	117	4832233	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3608136	10.51	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	1971172m	31.721	ppbv	
10) Heptane	8.10	43	351798	2.050	ppbv	99
26) Hexane	5.66	57	1226894	7.451	ppbv #	46
27) Carbon Disulfide	4.52	76	114807	0.465	ppbv #	88
30) Cyclohexane	7.11	84	54307m	0.303	ppbv	
32) 1,1,1-Trichloroethane	6.48	97	1126964	3.337	ppbv	97
36) Benzene	6.86	78	107600	0.282	ppbv #	92
53) Toluene	9.77	91	59121	0.128	ppbv	99

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

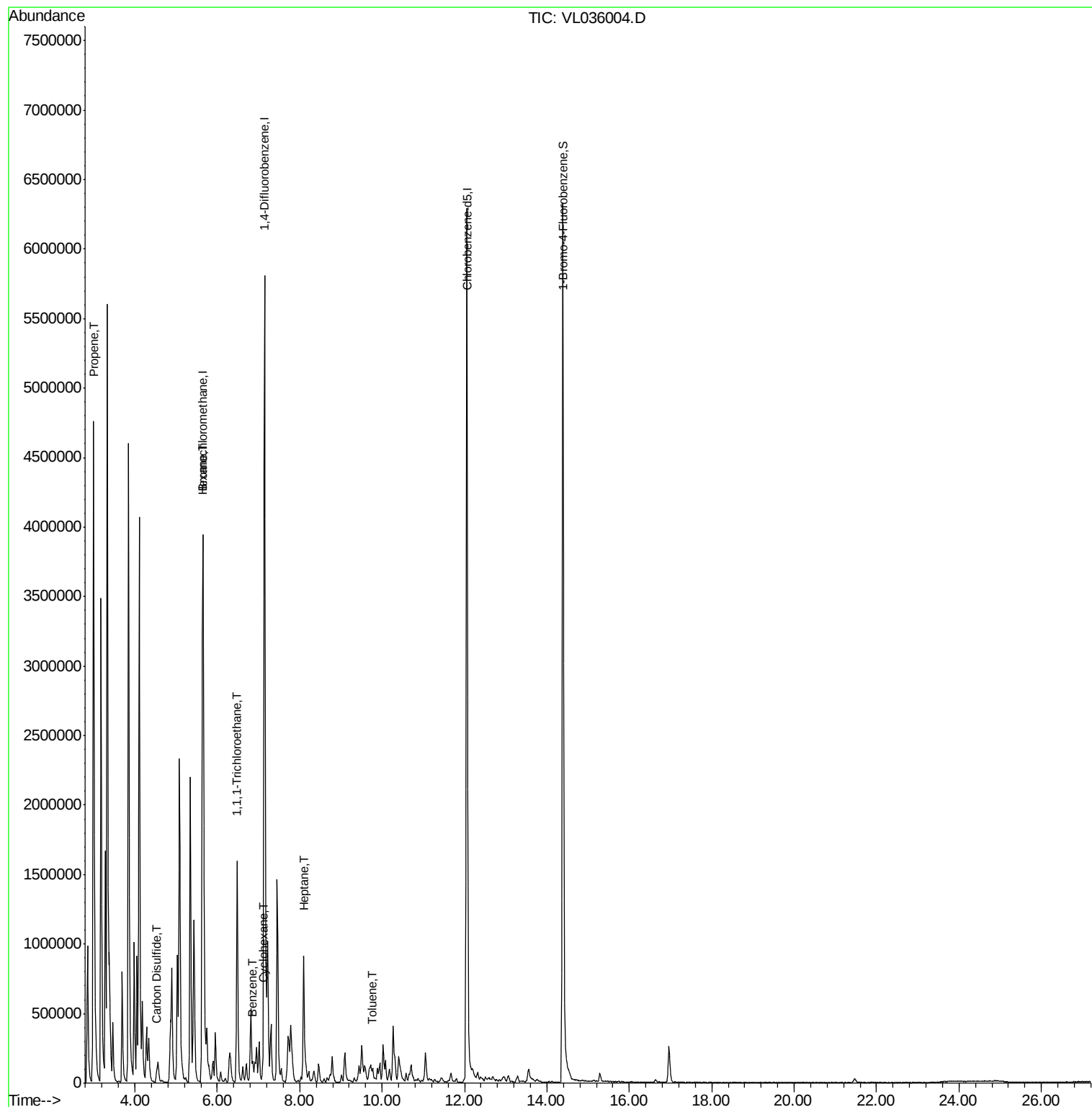
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL112420\
Data File : VL036004.D
Acq On : 24 Nov 2020 21:45
Operator : SY/AP
Sample : L4843-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

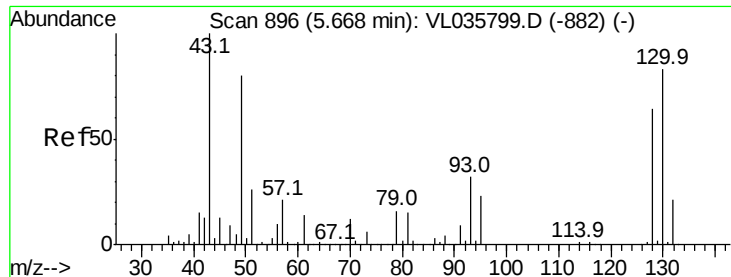
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DL

Manual Integrations
APPROVED

MMDadoda
11/27/2020 1:16:25 PM

Quant Time: Nov 26 14:33:47 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.03 min

Lab File: VL036004.D

Acq: 24 Nov 2020 21:45

Instrument :

MSVOA_L

ClientSampleId :

SVP-02DL

Tot Ion: 49 Resp: 1417739

Ion Ratio Lower Upper

49 100

128 76.2 41.5 124.6

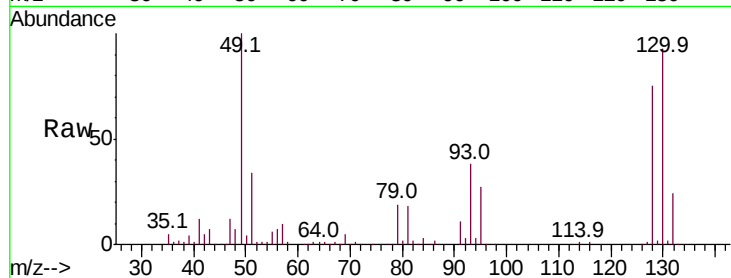
130 98.3 53.7 161.1

Manual Integrations

APPROVED

MMDadoda

11/27/2020 1:16:25 PM



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

800000

600000

400000

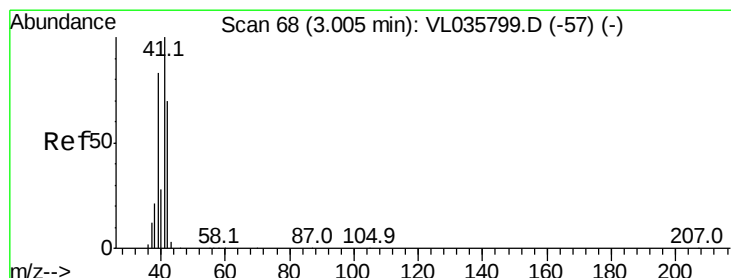
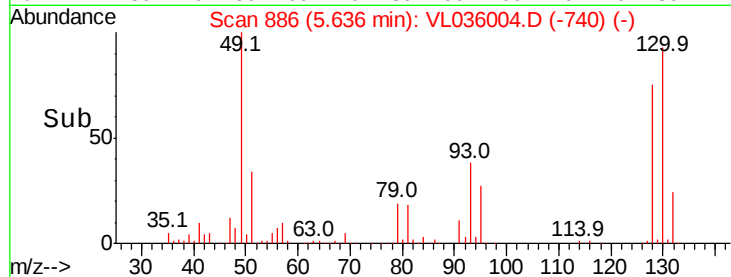
200000

0

5.64

5.60 5.70

Time-->



#9

Propene

Concen: 31.721 ppbv m

RT: 2.99 min Scan# 64

Delta R.T. -0.01 min

Lab File: VL036004.D

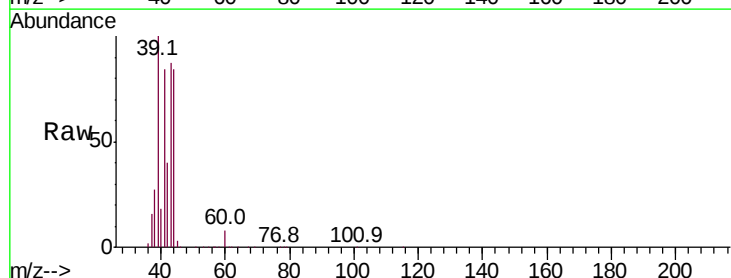
Acq: 24 Nov 2020 21:45

Tgt Ion: 41 Resp: 1971172

Ion Ratio Lower Upper

41 100

42 42.8 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

1000000

800000

600000

400000

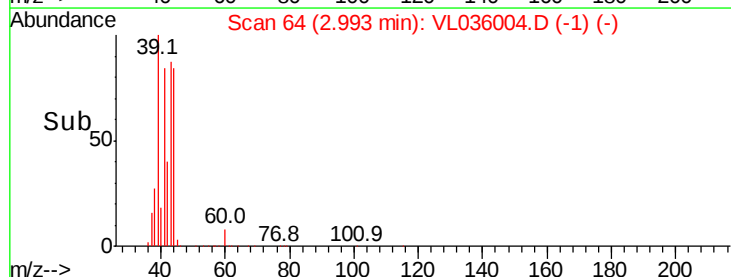
200000

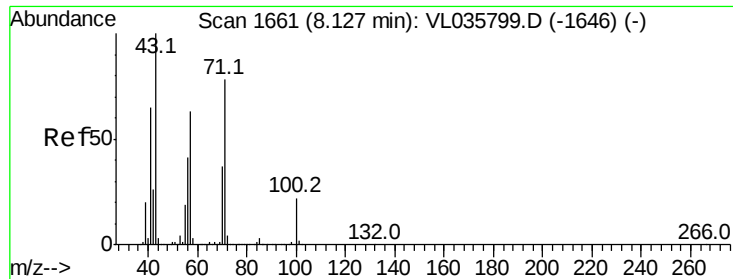
0

2.99

2.90 3.10

Time-->





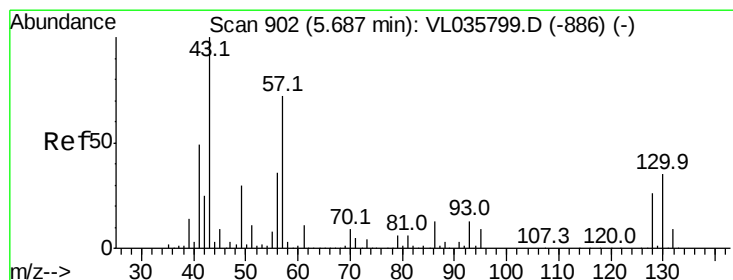
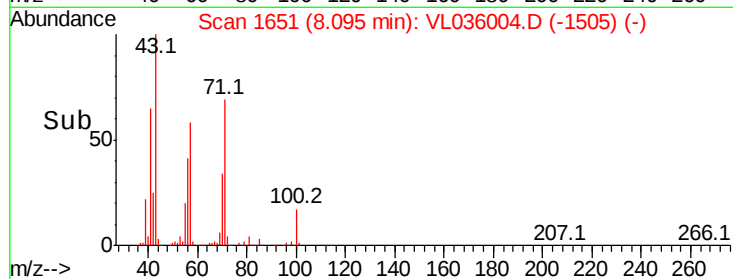
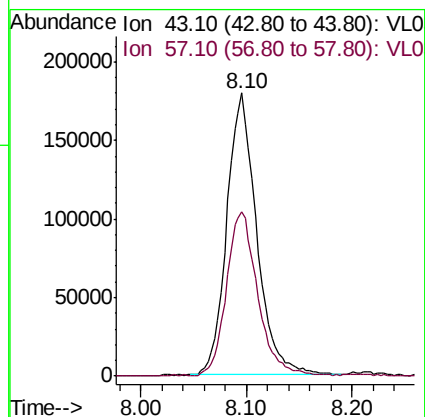
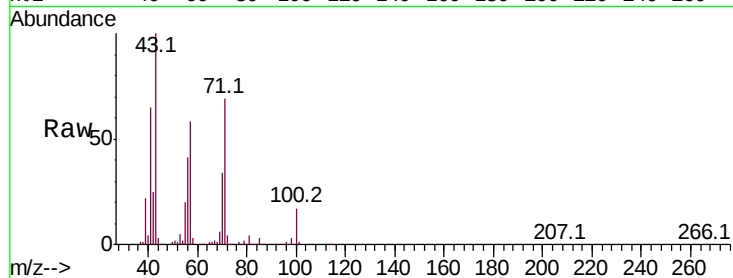
#10
Heptane
Concen: 2.050 ppbv
RT: 8.10 min Scan# 1651
Delta R.T. -0.03 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Instrument :
MSVOA_L
ClientSampleId :
SVP-02DL

Tot Ion: 43 Resp: 351798
Ion Ratio Lower Upper
43 100
57 62.0 50.0 75.0

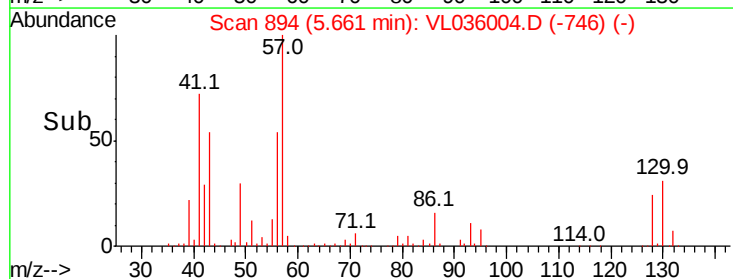
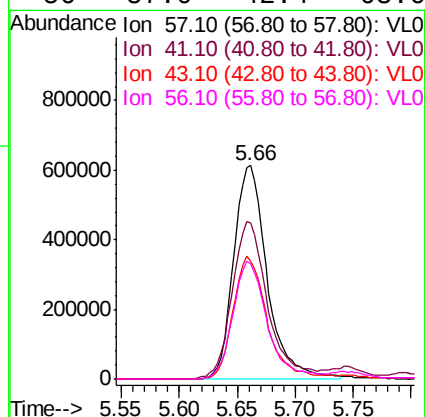
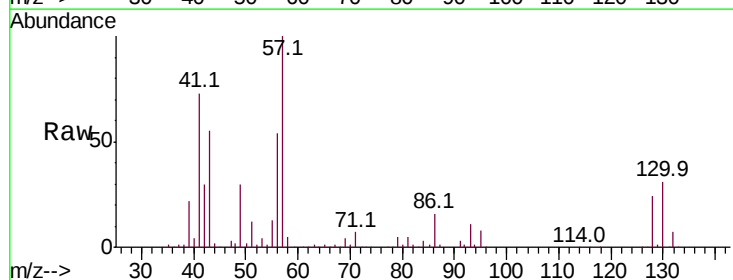
Manual Integrations
APPROVED

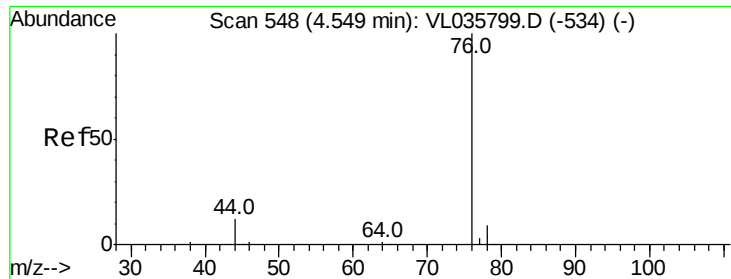
MMDadoda
11/27/2020 1:16:25 PM



#26
Hexane
Concen: 7.451 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.03 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Tgt Ion: 57 Resp: 1226894
Ion Ratio Lower Upper
57 100
41 77.8 58.9 88.3
43 60.3 150.2 225.2#
56 57.0 42.4 63.6





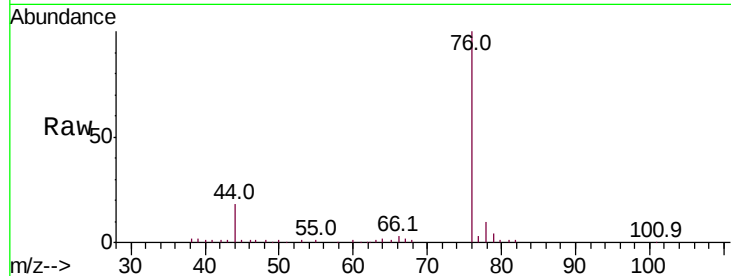
#27
Carbon Disulfide
Concen: 0.465 ppbv
RT: 4.52 min Scan# 540
Delta R.T. -0.03 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Instrument :
MSVOA_L
ClientSampled :
SVP-02DL

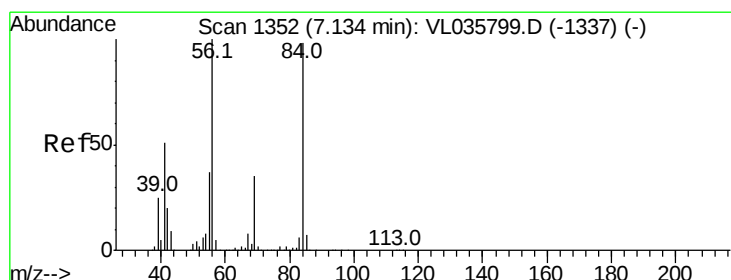
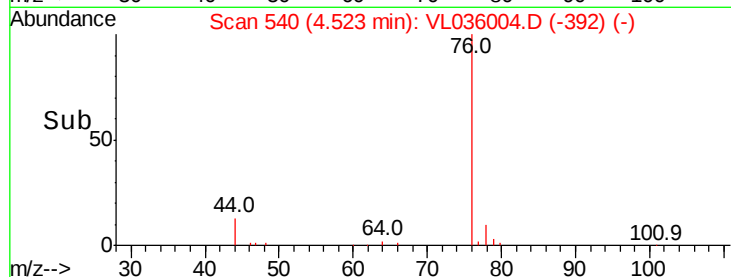
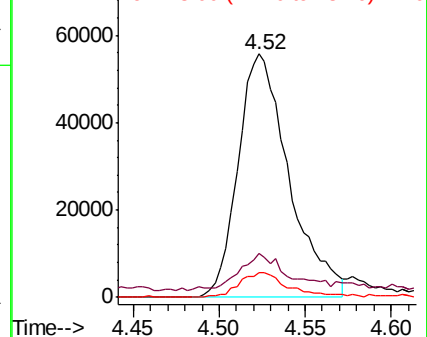
Tot Ion	Ratio	Lower	Upper
76	100		
44	21.2	9.9	14.9#
78	10.1	8.1	12.1

Manual Integrations
APPROVED

MMDadoda
11/27/2020 1:16:25 PM

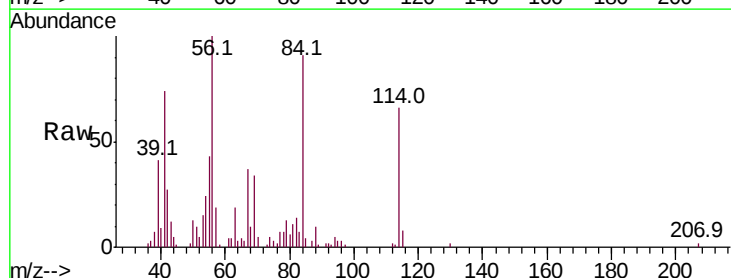


Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

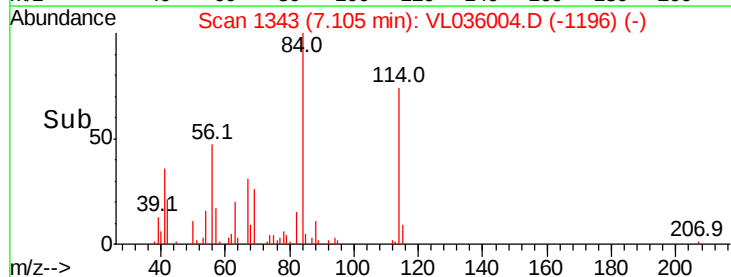
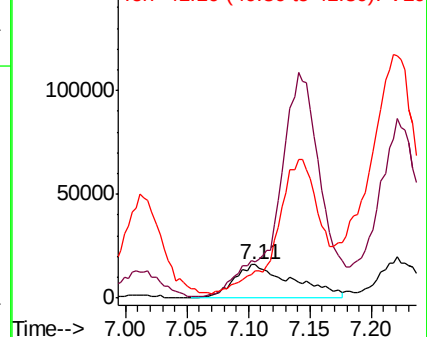


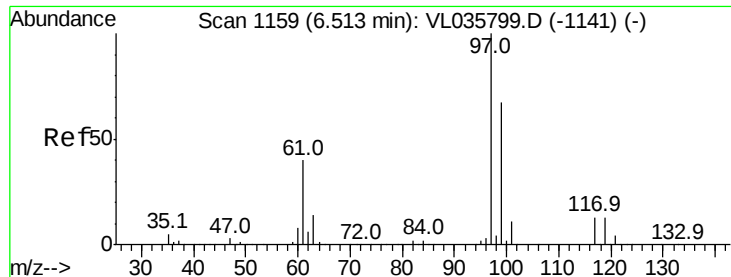
#30
Cyclohexane
Concen: 0.303 ppbv m
RT: 7.11 min Scan# 1343
Delta R.T. -0.03 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Tgt Ion	Ratio	Lower	Upper
84	100		
56	0.0	86.4	129.6#
41	0.0	42.1	63.1#



Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0





#32

1,1,1-Trichloroethane

Concen: 3.337 ppbv

RT: 6.48 min Scan# 1149

Delta R.T. -0.03 min

Lab File: VL036004.D

Acq: 24 Nov 2020 21:45

Instrument :

MSVOA_L

ClientSampleId :

SVP-02DL

Tot Ion: 97 Resp: 1126964

Ion Ratio Lower Upper

97 100

99 64.4 52.3 78.5

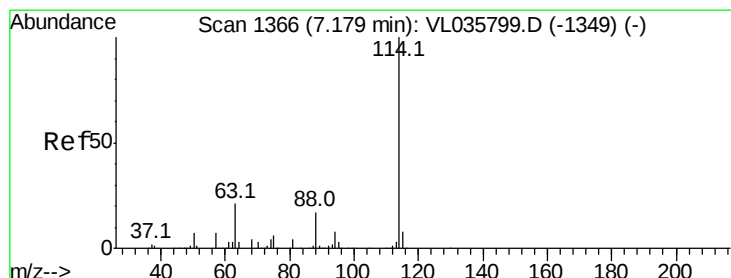
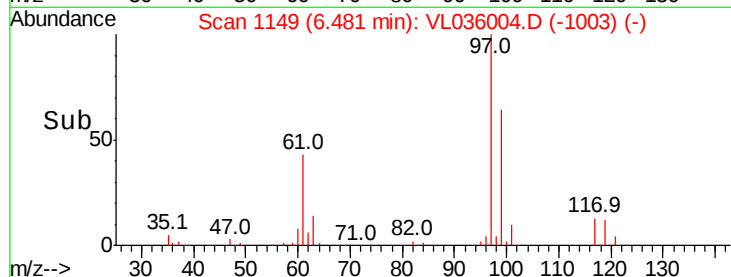
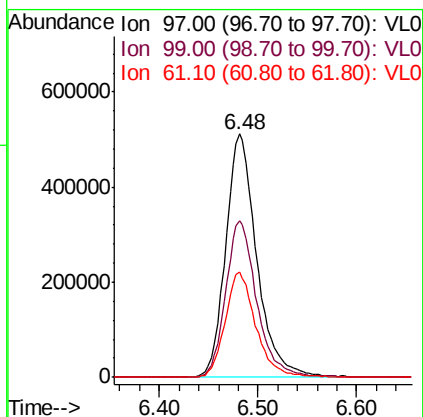
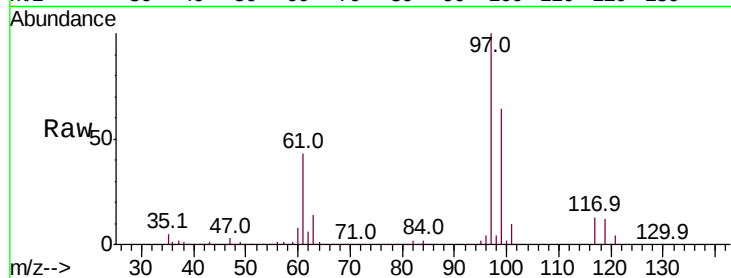
61 43.1 32.0 48.0

Manual Integrations

APPROVED

MMDadoda

11/27/2020 1:16:25 PM



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. -0.04 min

Lab File: VL036004.D

Acq: 24 Nov 2020 21:45

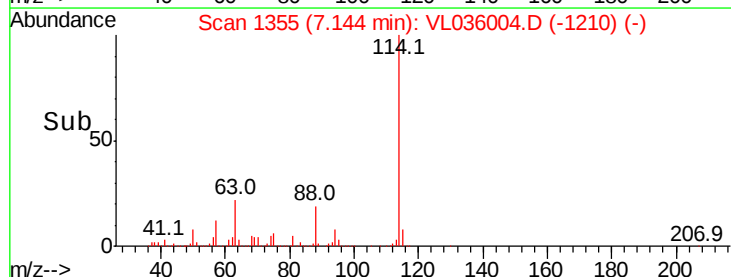
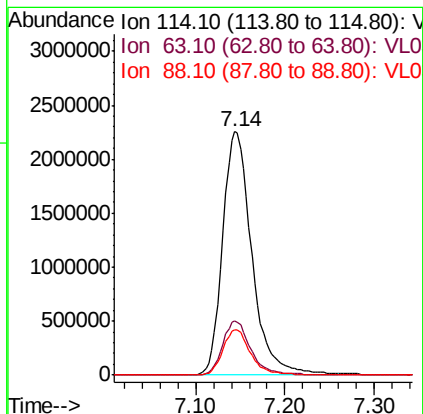
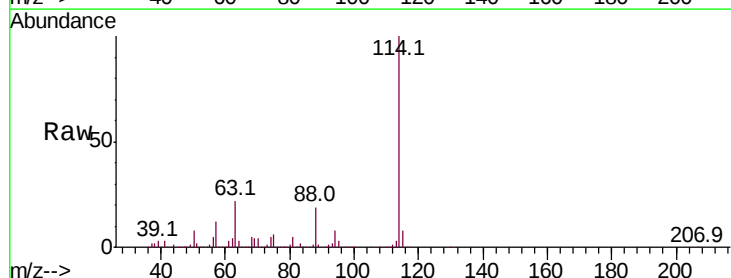
Tgt Ion: 114 Resp: 5140640

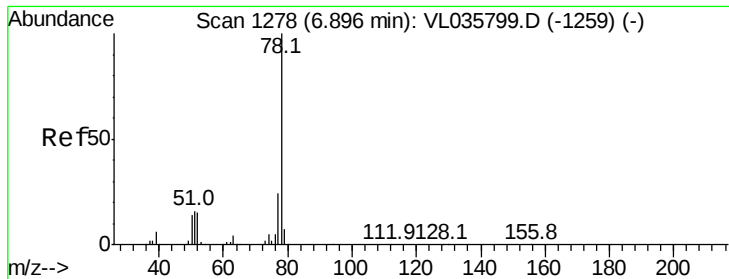
Ion Ratio Lower Upper

114 100

63 21.5 16.1 24.1

88 17.8 13.7 20.5





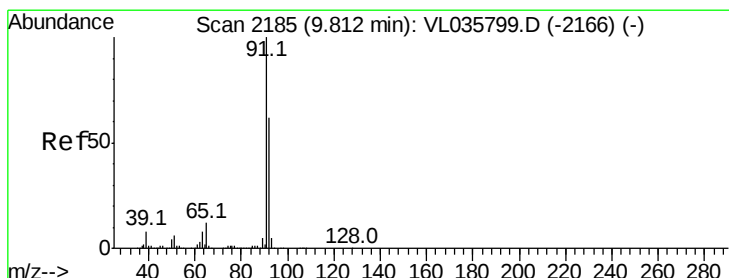
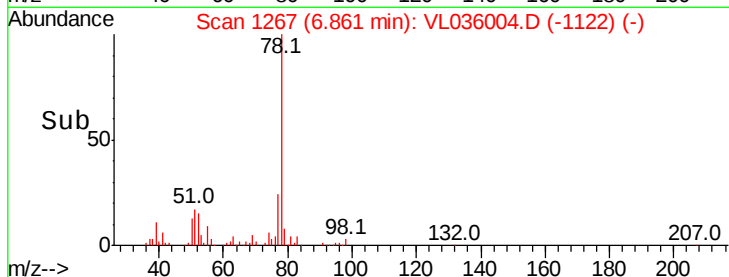
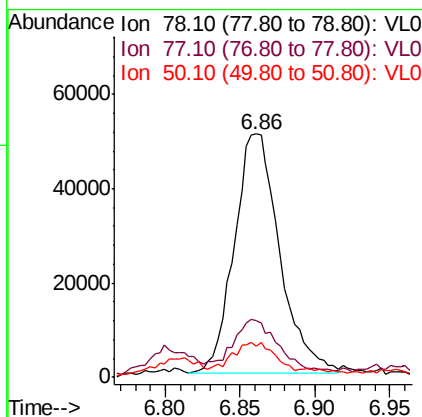
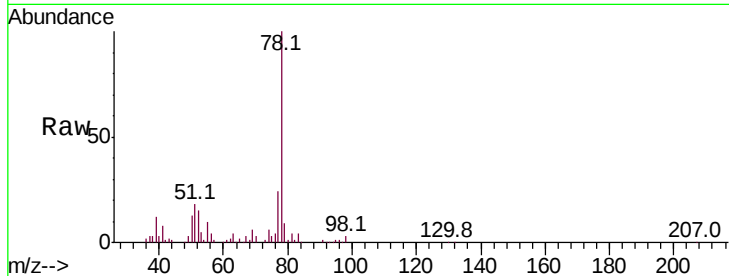
#36
Benzene
Concen: 0.282 ppbv
RT: 6.86 min Scan# 1267
Delta R.T. -0.04 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Instrument :
MSVOA_L
ClientSampleId :
SVP-02DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	20.9	19.3	28.9
50	10.4	11.4	17.2#

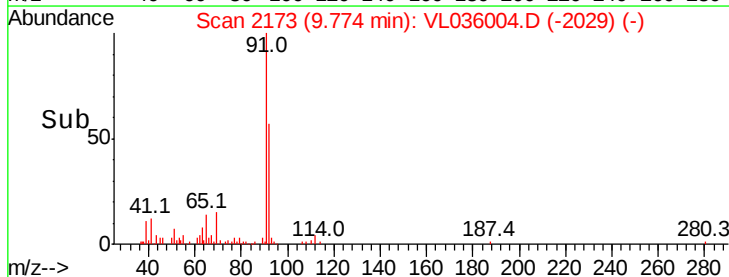
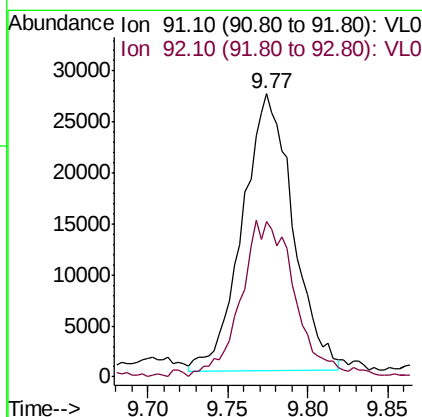
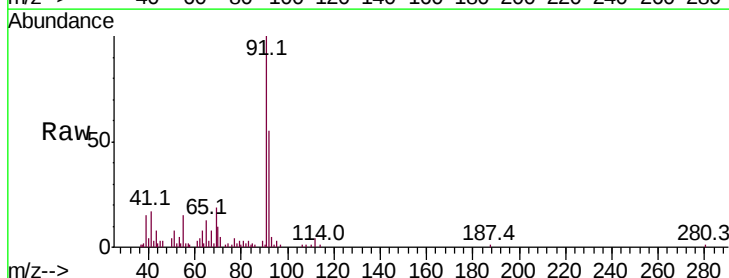
Manual Integrations
APPROVED

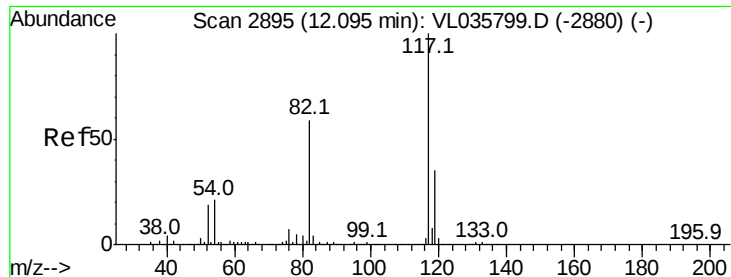
MMDadoda
11/27/2020 1:16:25 PM



#53
Toluene
Concen: 0.128 ppbv
RT: 9.77 min Scan# 2173
Delta R.T. -0.04 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.7	49.8	74.6





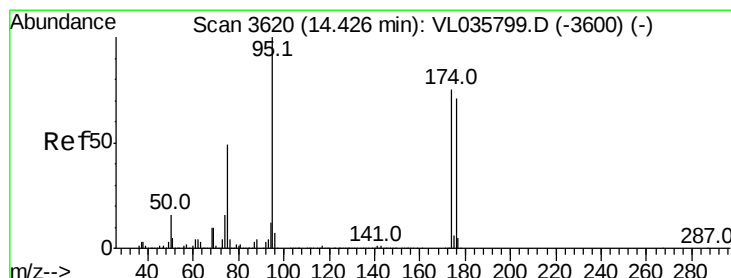
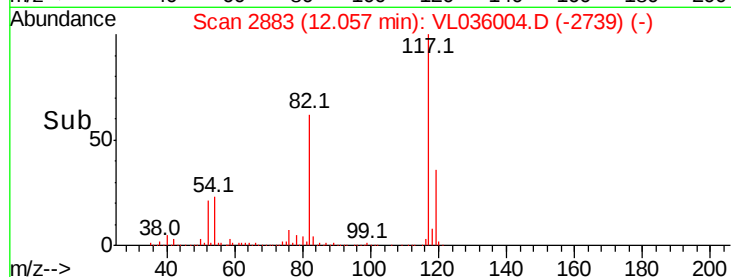
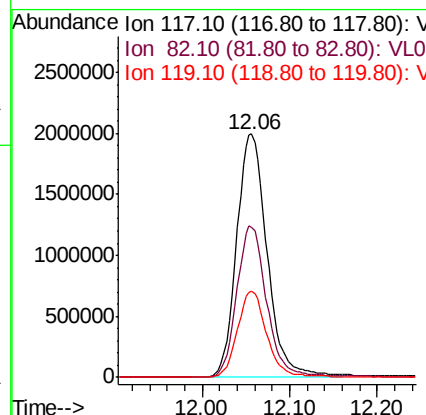
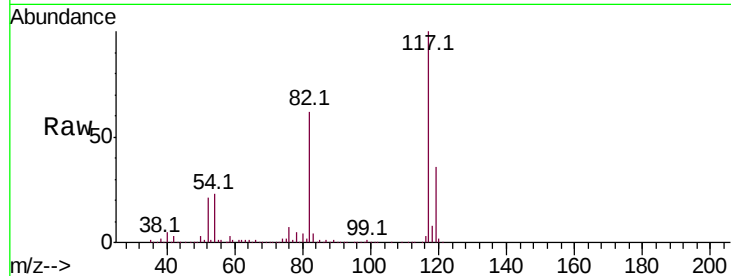
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06 min Scan# 2883
 Delta R.T. -0.04 min
 Lab File: VL036004.D
 Acq: 24 Nov 2020 21:45

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-02DL

Tot Ion:117 Resp: 4832233
 Ion Ratio Lower Upper
 117 100
 82 62.4 50.6 76.0
 119 34.6 52.6 78.8#

Manual Integrations
 APPROVED

MMDadoda
 11/27/2020 1:16:25 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.510 ppbv
 RT: 14.39 min Scan# 3608
 Delta R.T. -0.04 min
 Lab File: VL036004.D
 Acq: 24 Nov 2020 21:45

Tgt Ion: 95 Resp: 3608136
 Ion Ratio Lower Upper
 95 100
 174 69.7 59.8 89.6
 175 5.0 4.3 6.5

