

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112420\
 Data File : VL036002.D
 Acq On : 24 Nov 2020 20:28
 Operator : SY/AP
 Sample : L4843-01 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-01

Manual Integrations
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Quant Time: Nov 26 14:19:40 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	1264435	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	4969612	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4937474	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3811384	10.86	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	2649843m	47.812	ppbv	
10) Heptane	8.10	43	1891360	12.356	ppbv	99
20) Methylene Chloride	4.31	84	212157	2.229	ppbv	97
26) Hexane	5.66	57	5552419	37.806	ppbv #	46
27) Carbon Disulfide	4.52	76	740259	3.364	ppbv	99
30) Cyclohexane	7.10	84	69508m	0.435	ppbv	
32) 1,1,1-Trichloroethane	6.49	97	18601	0.062	ppbv #	85
36) Benzene	6.86	78	59115	0.160	ppbv #	94
38) Trichloroethene	7.81	130	14694m	0.081	ppbv	
52) Tetrachloroethene	11.19	164	474976	2.714	ppbv	97
53) Toluene	9.78	91	12204612	27.377	ppbv	87
58) Ethyl Benzene	12.68	91	1754670	2.918	ppbv	94
59) m/p-Xylene	12.94	91	4812476	9.459	ppbv	98
60) o-Xylene	13.66	91	1564054	3.160	ppbv	96

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

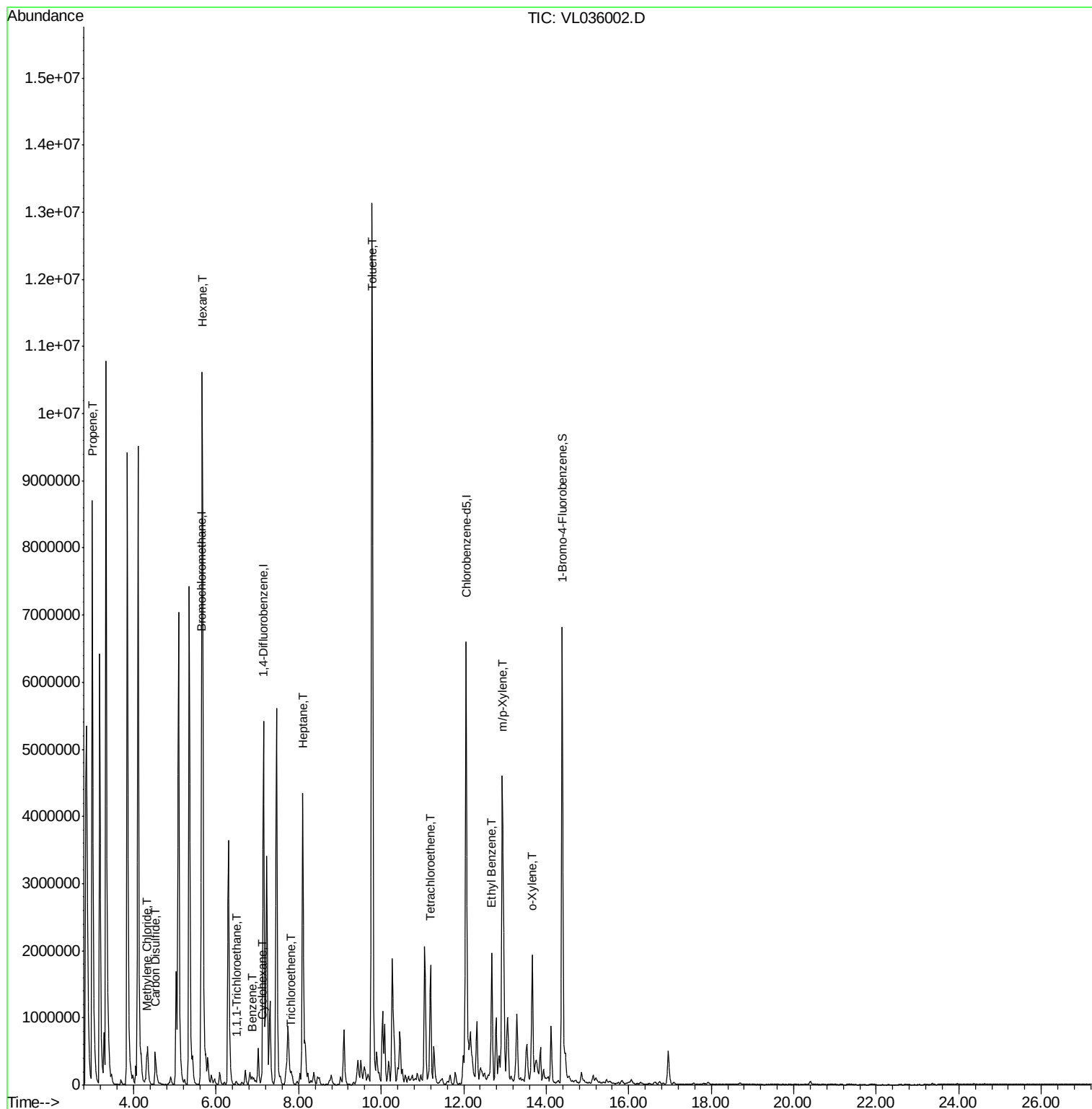
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL112420\
Data File : VL036002.D
Acq On : 24 Nov 2020 20:28
Operator : SY/AP
Sample : L4843-01 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

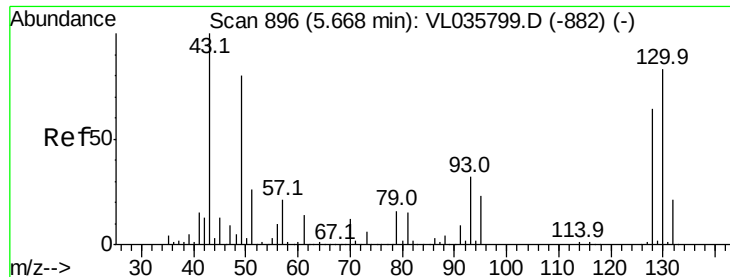
Instrument :
MSVOA_L
ClientSampleId :
SVP-01

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Quant Time: Nov 26 14:19:40 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





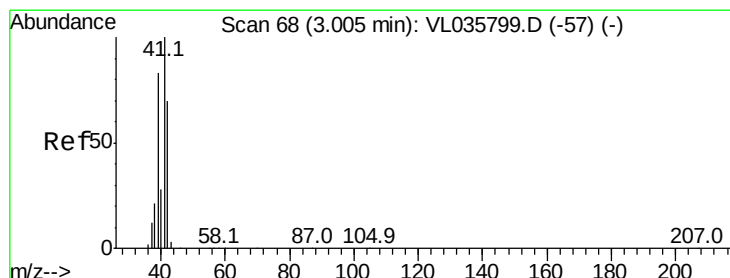
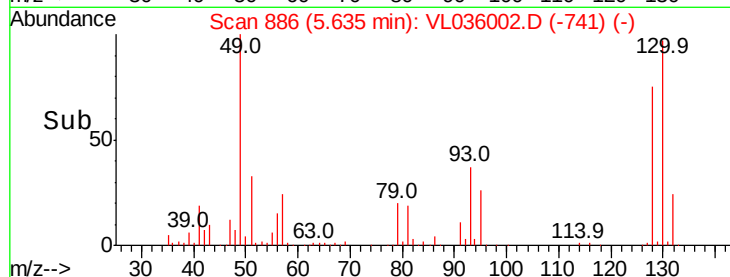
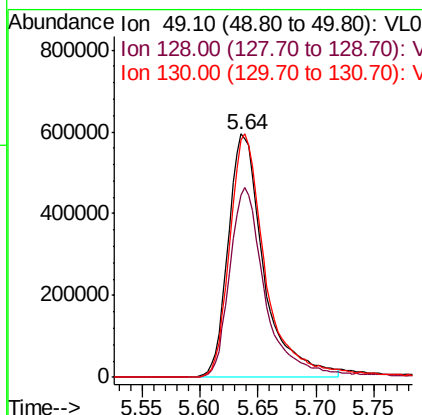
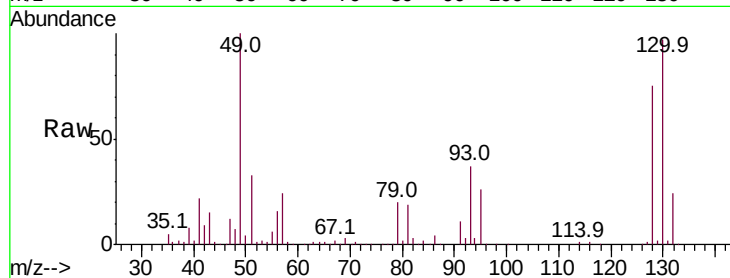
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 886
 Delta R.T. -0.03 min
 Lab File: VL036002.D
 Acq: 24 Nov 2020 20:28

Instrument :
 MSVOA_L
 ClientSampled :
 SVP-01

Tot Ion: 49 Resp: 1264435
 Ion Ratio Lower Upper
 49 100
 128 80.0 41.5 124.6
 130 103.3 53.7 161.1

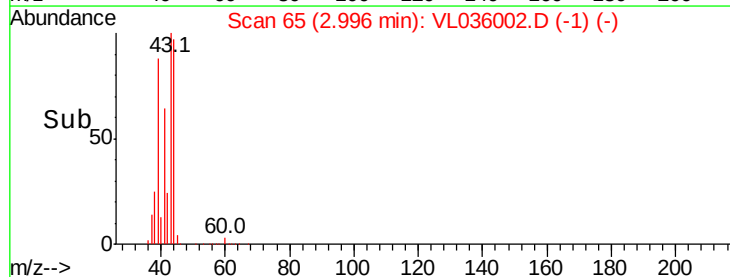
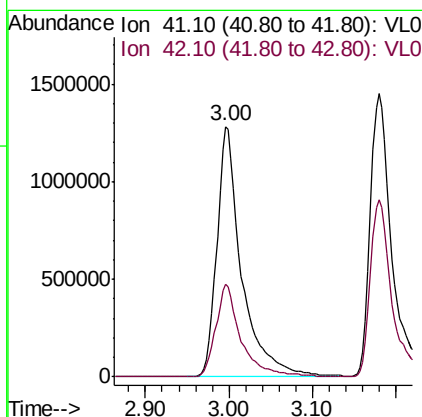
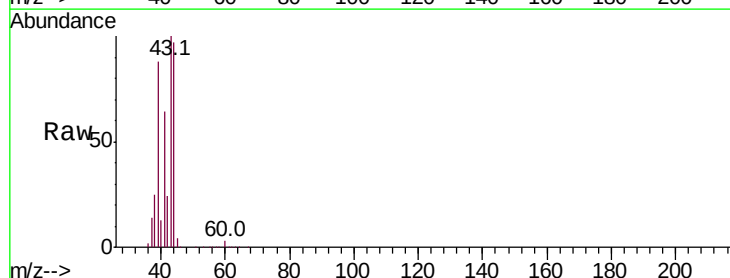
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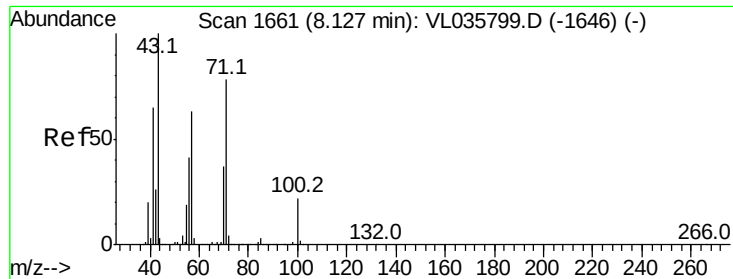
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#9
 Propene
 Concen: 47.812 ppbv m
 RT: 3.00 min Scan# 65
 Delta R.T. -0.01 min
 Lab File: VL036002.D
 Acq: 24 Nov 2020 20:28

Tgt Ion: 41 Resp: 2649843
 Ion Ratio Lower Upper
 41 100
 42 62.7 56.2 84.4





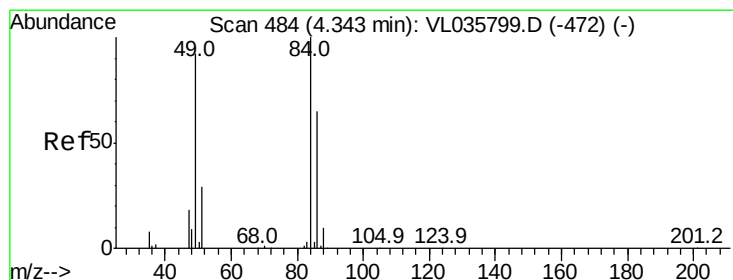
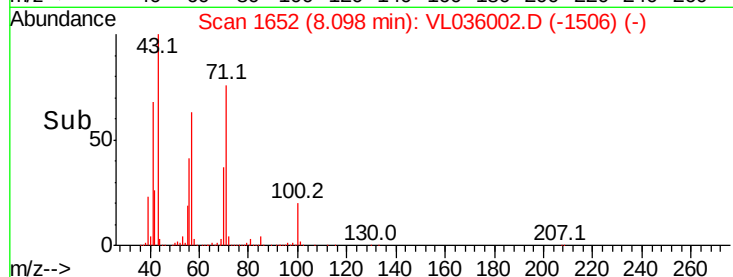
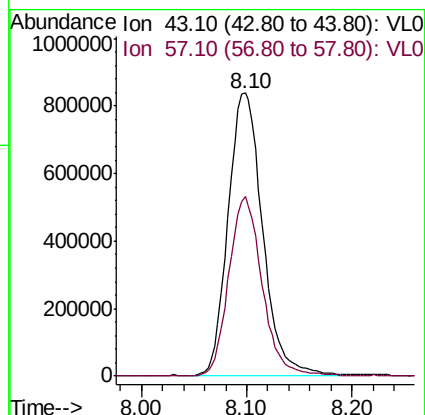
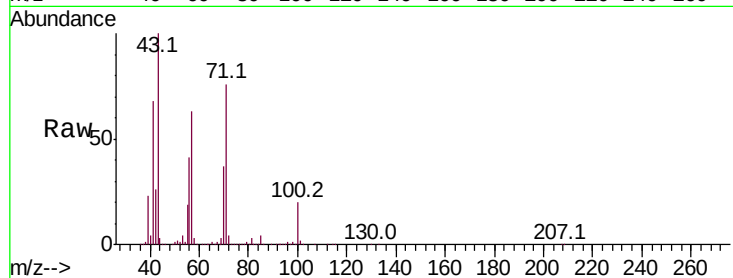
#10
Heptane
Concen: 12.356 ppbv
RT: 8.10 min Scan# 1652
Delta R.T. -0.03 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Instrument :
MSVOA_L
ClientSampled :
SVP-01

Tot Ion: 43 Resp: 1891360
Ion Ratio Lower Upper
43 100
57 62.1 50.0 75.0

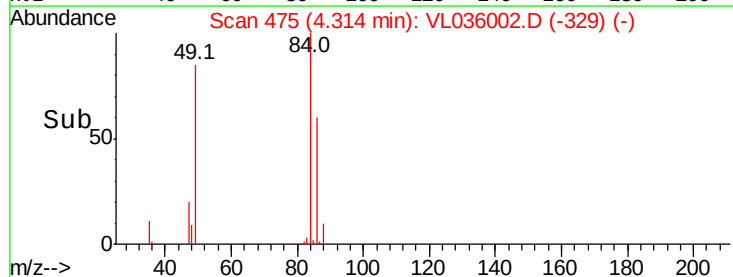
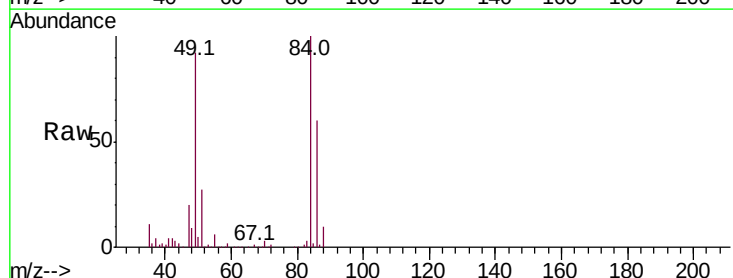
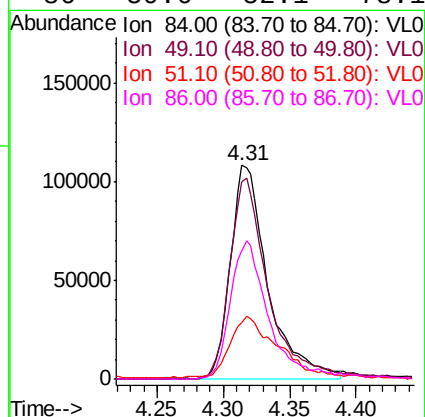
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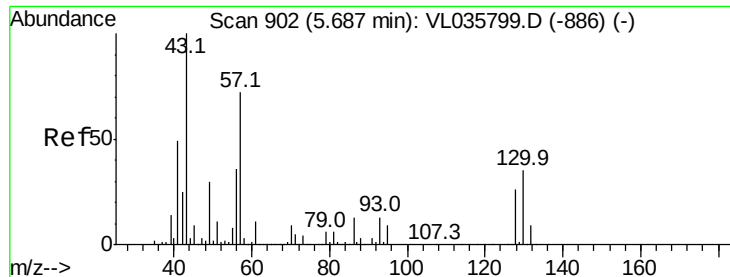
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#20
Methylene Chloride
Concen: 2.229 ppbv
RT: 4.31 min Scan# 475
Delta R.T. -0.03 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Tgt Ion: 84 Resp: 212157
Ion Ratio Lower Upper
84 100
49 92.2 73.8 110.8
51 25.6 23.0 34.4
86 59.6 52.1 78.1





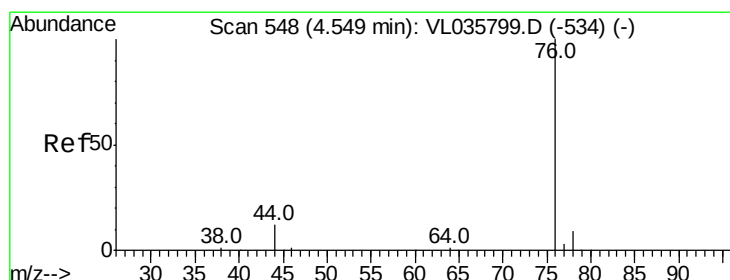
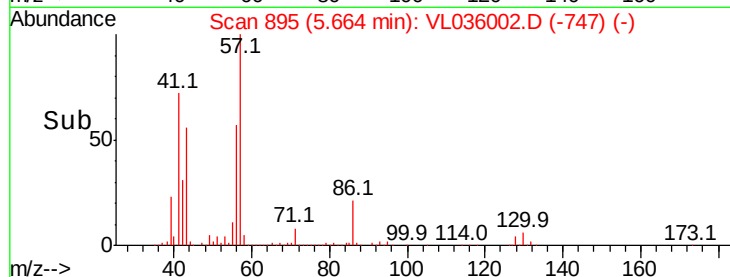
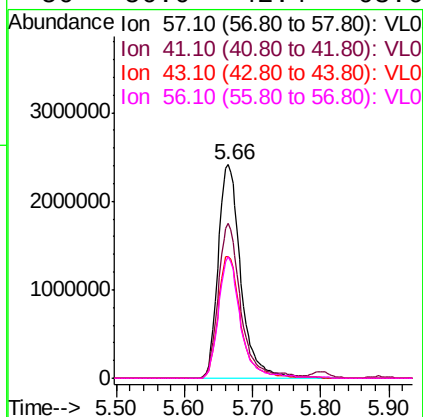
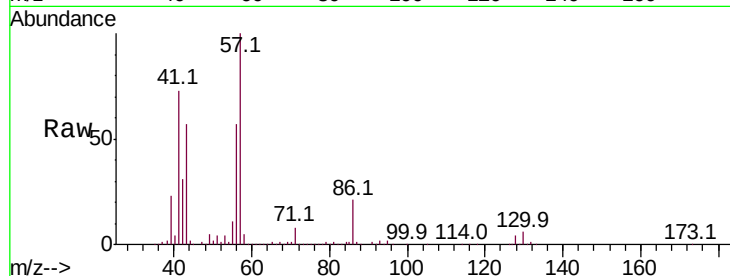
#26
Hexane
Concen: 37.806 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Instrument :
MSVOA_L
ClientSampled :
SVP-01

Tot Ion: 57 Resp: 5552419
Ion Ratio Lower Upper
57 100
41 72.7 58.9 88.3
43 57.6 150.2 225.2#
56 56.0 42.4 63.6

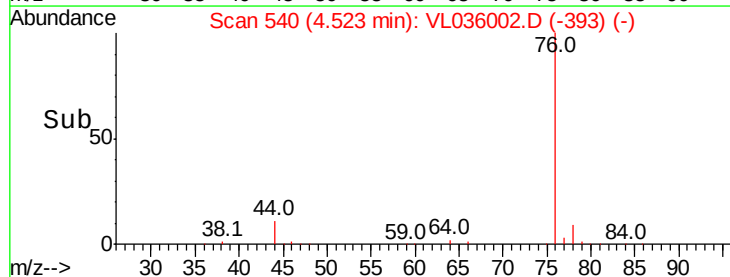
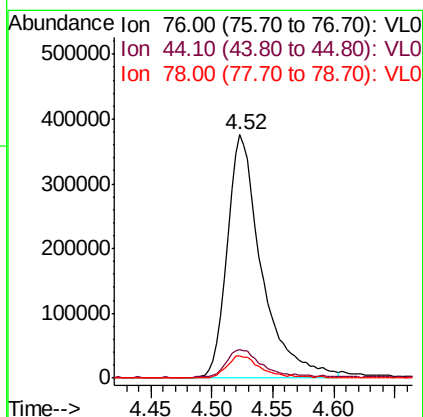
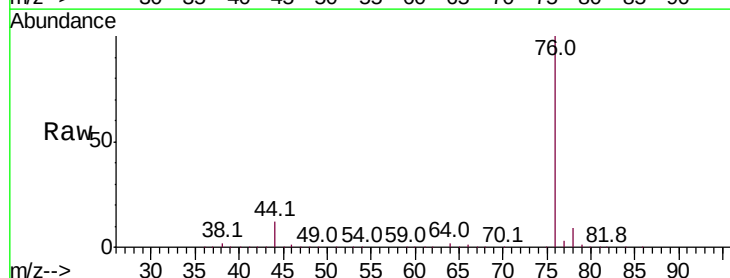
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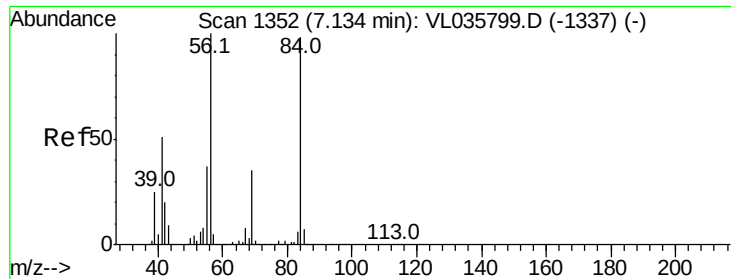
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#27
Carbon Disulfide
Concen: 3.364 ppbv
RT: 4.52 min Scan# 540
Delta R.T. -0.03 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Tgt Ion: 76 Resp: 740259
Ion Ratio Lower Upper
76 100
44 12.8 9.9 14.9
78 9.6 8.1 12.1





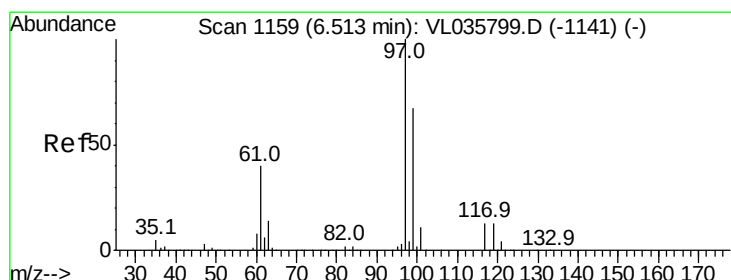
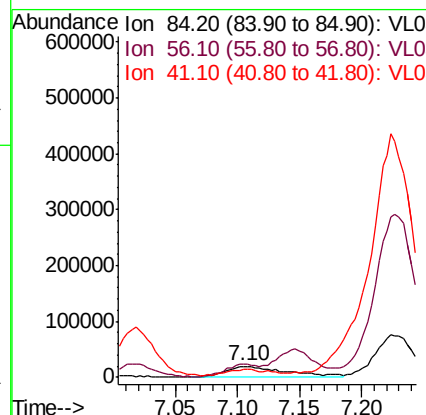
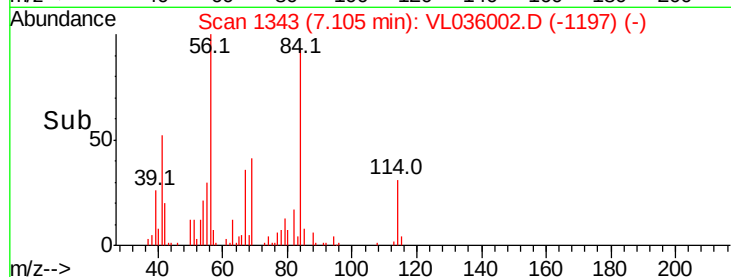
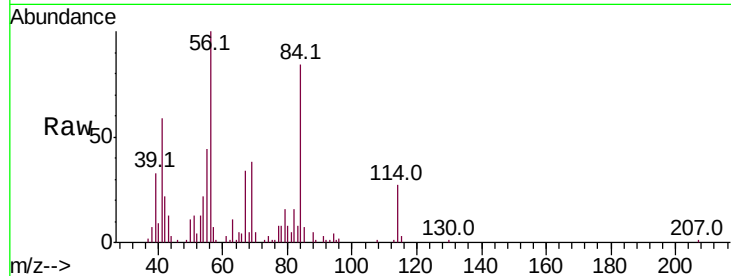
#30
Cvclohexane
Concen: 0.435 ppbv m
RT: 7.10 min Scan# 1343
Delta R.T. -0.03 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Instrument :
MSVOA_L
ClientSampled :
SVP-01

Tot Ion	Ratio	Lower	Upper
84	100		
56	63.3	86.4	129.6#
41	257.8	42.1	63.1#

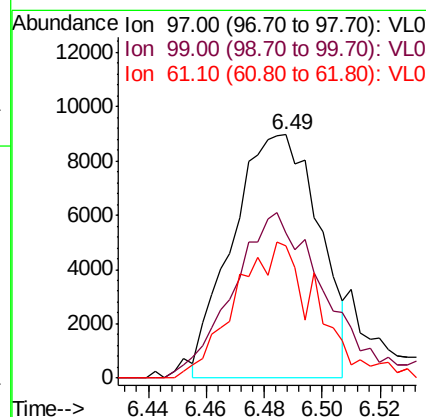
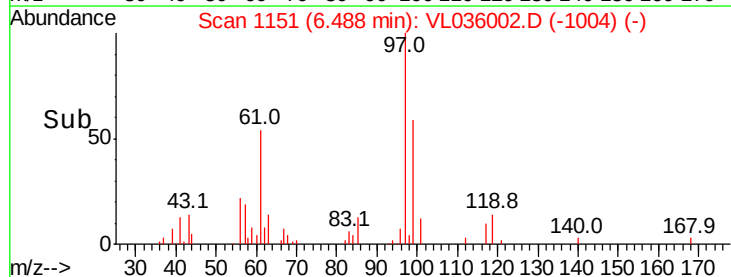
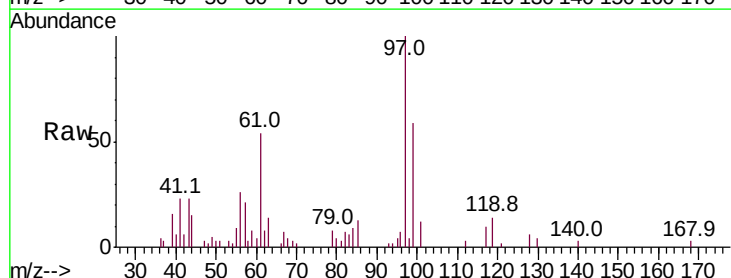
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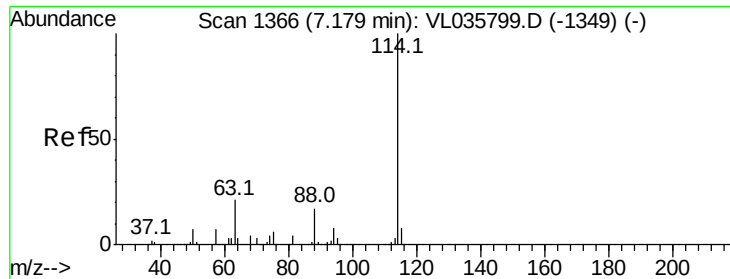
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#32
1,1,1-Trichloroethane
Concen: 0.062 ppbv
RT: 6.49 min Scan# 1151
Delta R.T. -0.03 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	73.8	52.3	78.5
61	53.9	32.0	48.0#





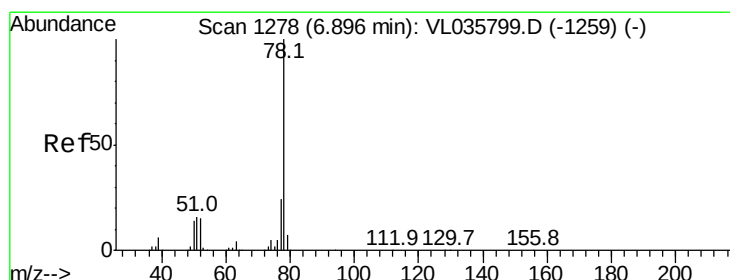
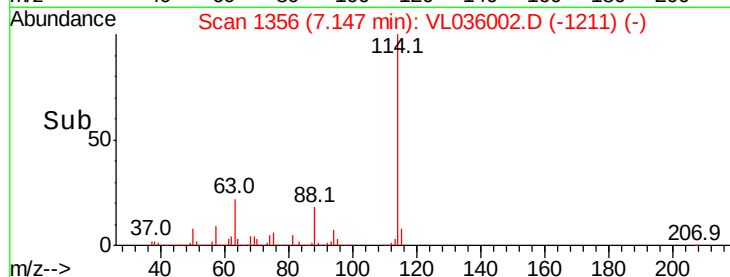
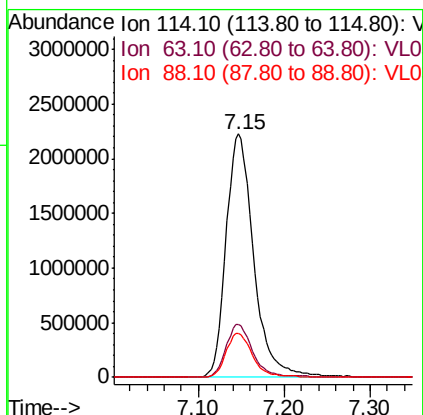
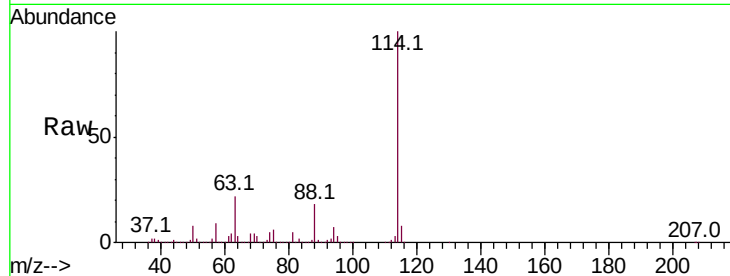
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.03 min
 Lab File: VL036002.D
 Acq: 24 Nov 2020 20:28

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-01

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.4	16.1	24.1
88	17.7	13.7	20.5

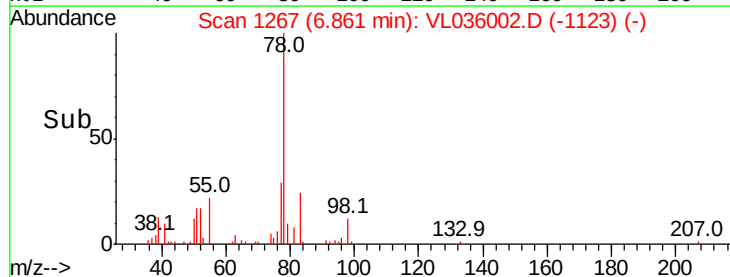
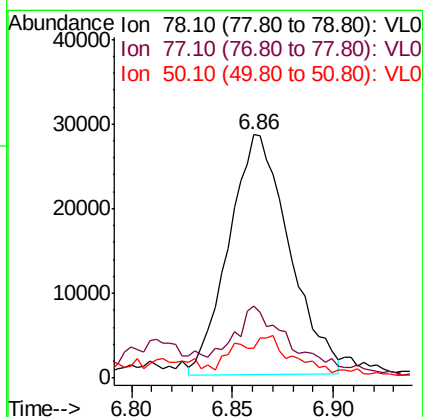
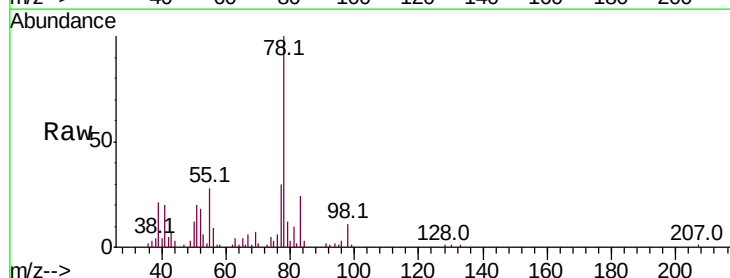
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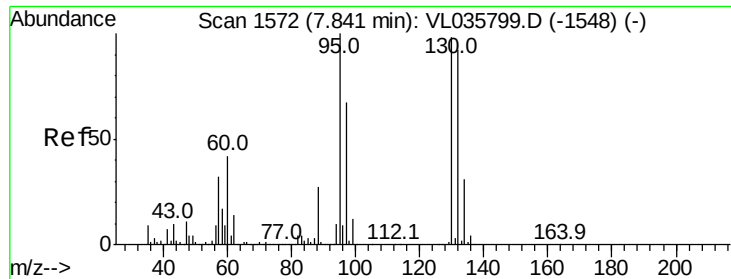
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#36
 Benzene
 Concen: 0.160 ppbv
 RT: 6.86 min Scan# 1267
 Delta R.T. -0.04 min
 Lab File: VL036002.D
 Acq: 24 Nov 2020 20:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.5	19.3	28.9
50	9.7	11.4	17.2#





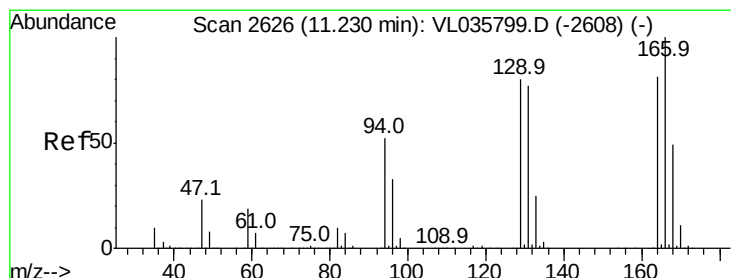
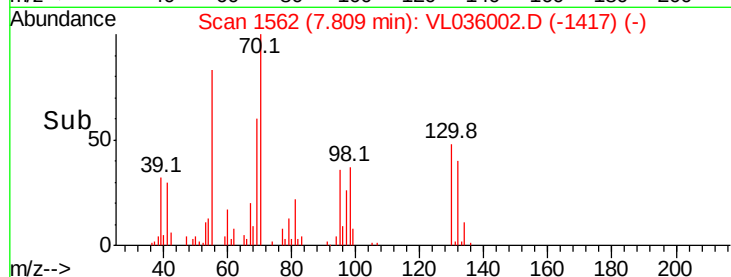
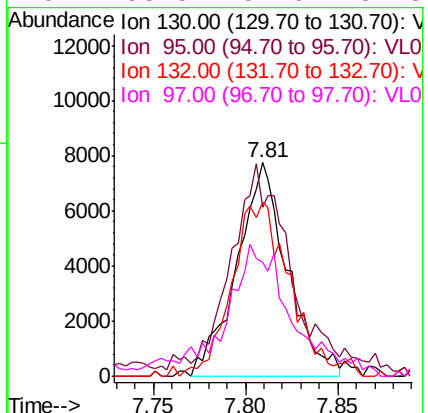
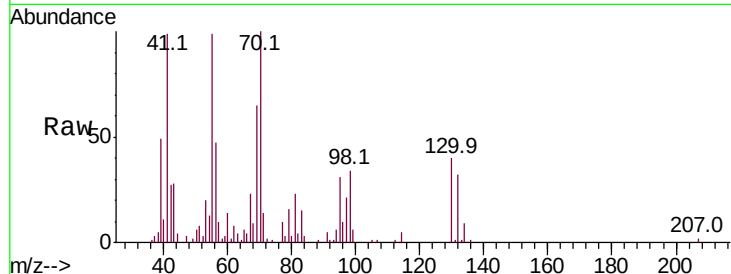
#38
 Trichloroethene
 Concen: 0.081 ppbv m
 RT: 7.81 min Scan# 1562
 Delta R.T. -0.03 min
 Lab File: VL036002.D
 Acq: 24 Nov 2020 20:28

Instrument :
 MSVOA_L
 ClientSampled :
 SVP-01

Tot Ion:	130	Resp:	14694
Ion Ratio	Lower	Upper	
130	100		
95	79.3	81.6	122.4#
132	81.6	75.1	112.7
97	53.5	54.6	81.8#

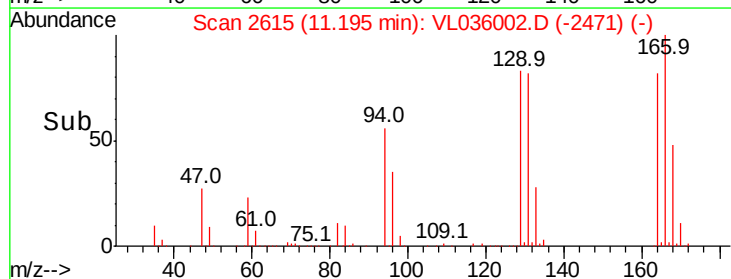
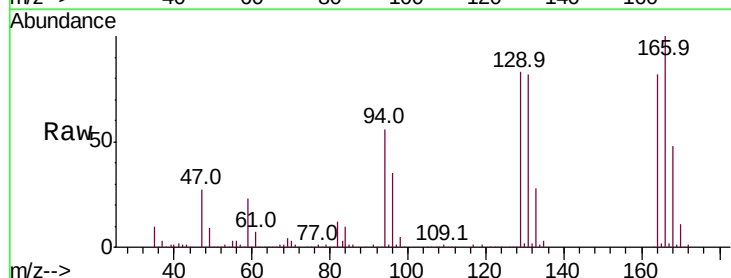
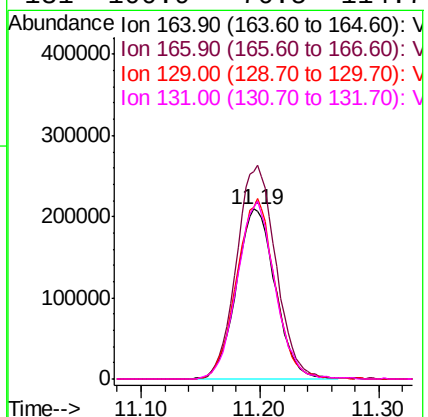
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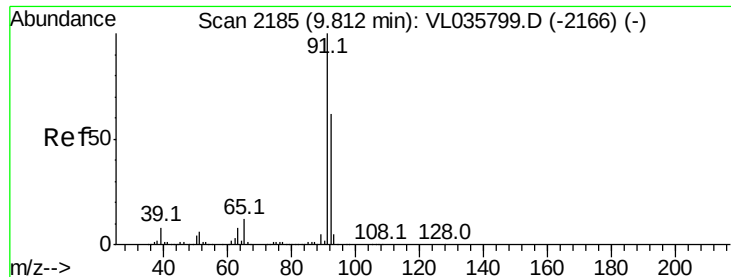
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#52
 Tetrachloroethene
 Concen: 2.714 ppbv
 RT: 11.19 min Scan# 2615
 Delta R.T. -0.04 min
 Lab File: VL036002.D
 Acq: 24 Nov 2020 20:28

Tgt Ion:	164	Resp:	474976
Ion Ratio	Lower	Upper	
164	100		
166	122.3	99.3	148.9
129	100.9	79.3	118.9
131	100.9	76.5	114.7





#53

Toluene

Concen: 27.377 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. -0.03 min

Lab File: VL036002.D

Acq: 24 Nov 2020 20:28

Instrument :

MSVOA_L

ClientSampled :

SVP-01

Tot Ion: 91 Resp: 12204612

Ion Ratio Lower Upper

91 100

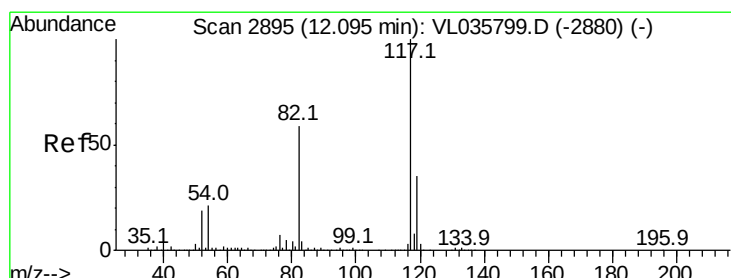
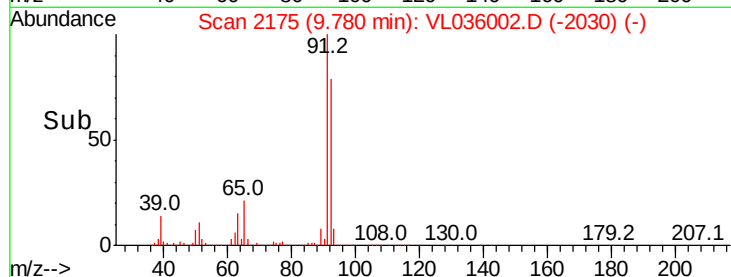
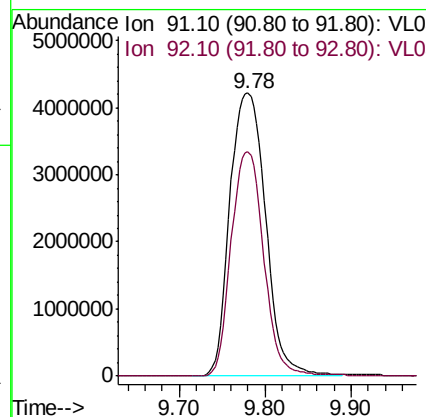
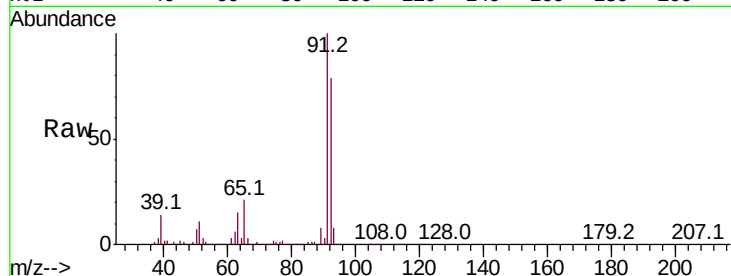
92 72.6 49.8 74.6

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2883

Delta R.T. -0.04 min

Lab File: VL036002.D

Acq: 24 Nov 2020 20:28

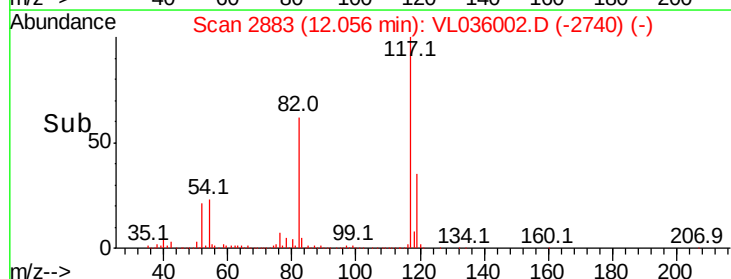
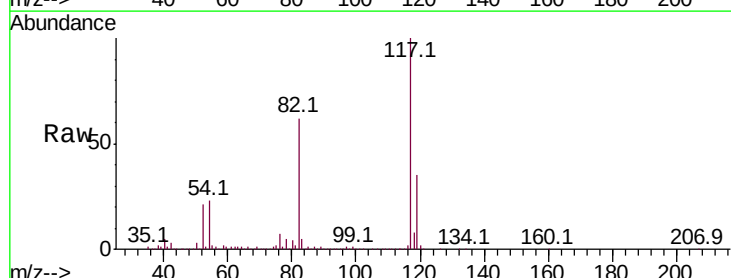
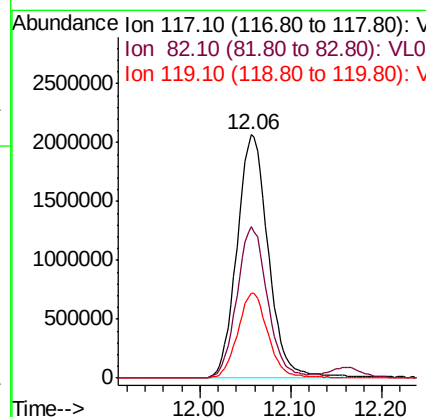
Tgt Ion: 117 Resp: 4937474

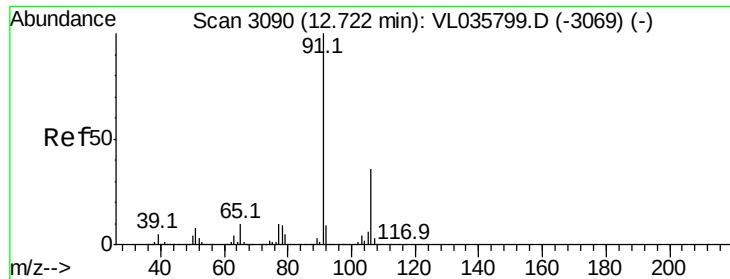
Ion Ratio Lower Upper

117 100

82 60.8 50.6 76.0

119 34.4 52.6 78.8#





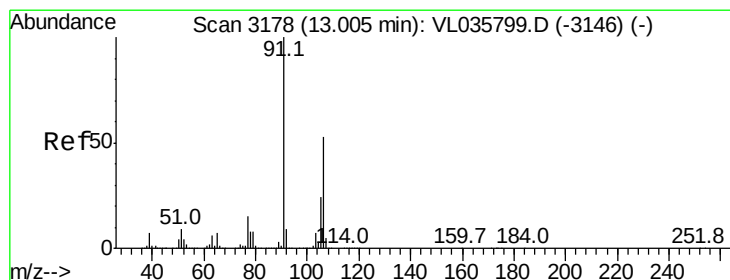
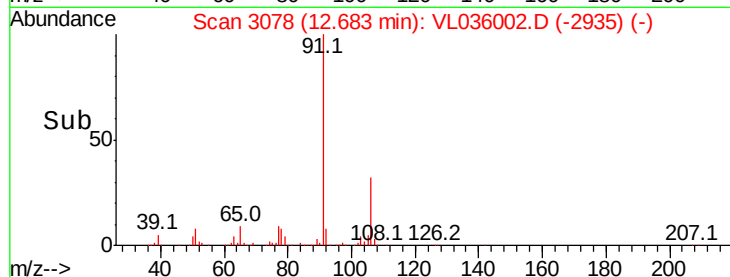
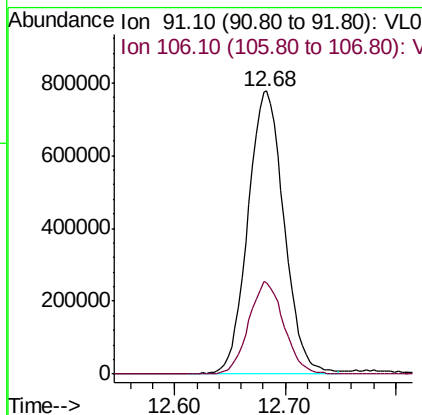
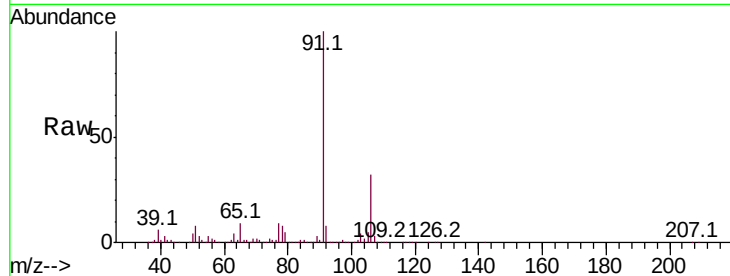
#58
Ethyl Benzene
Concen: 2.918 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. -0.04 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Instrument :
MSVOA_L
ClientSampleId :
SVP-01

Tot Ion: 91 Resp: 1754670
Ion Ratio Lower Upper
91 100
106 32.3 28.6 43.0

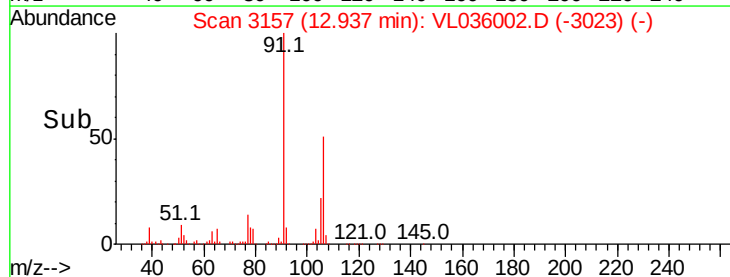
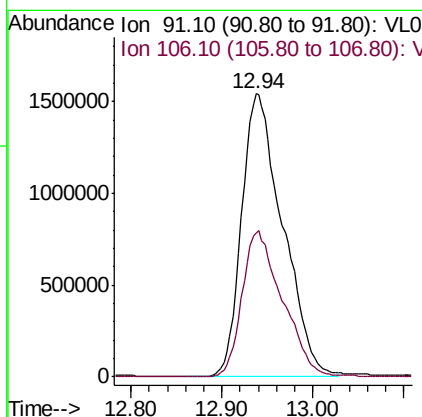
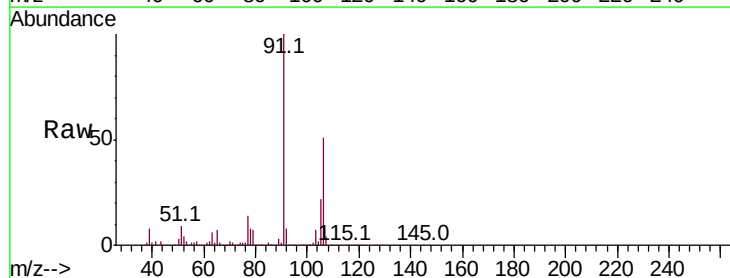
Manual Integrations
APPROVED

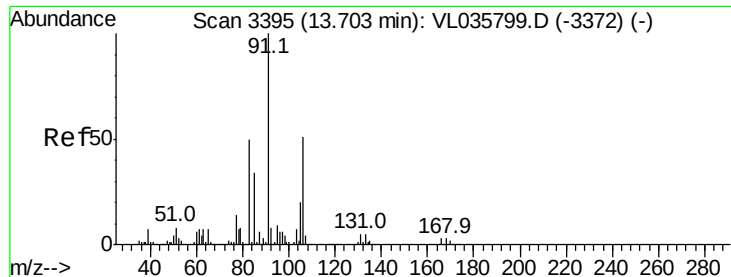
MMDadoda
11/27/2020 1:16:31 PM



#59
m/p-Xylene
Concen: 9.459 ppbv
RT: 12.94 min Scan# 3157
Delta R.T. -0.07 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Tgt Ion: 91 Resp: 4812476
Ion Ratio Lower Upper
91 100
106 51.0 39.5 59.3





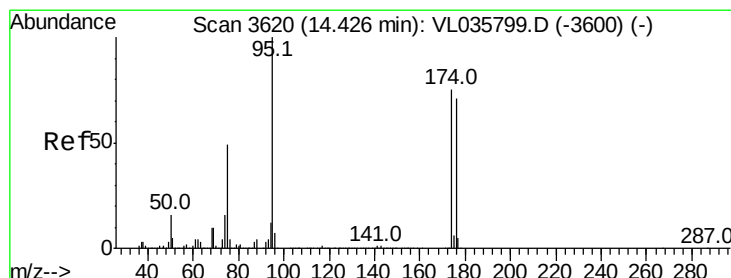
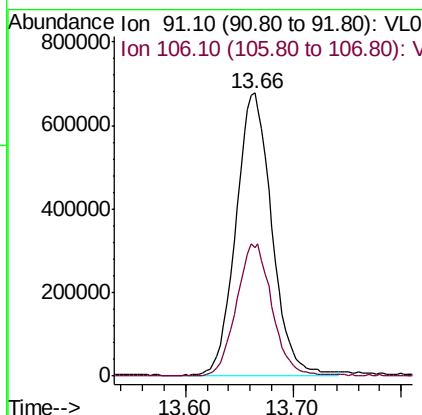
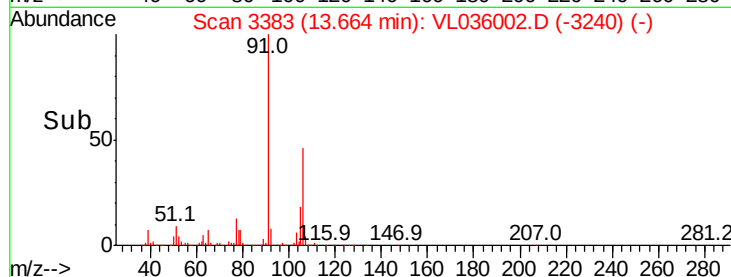
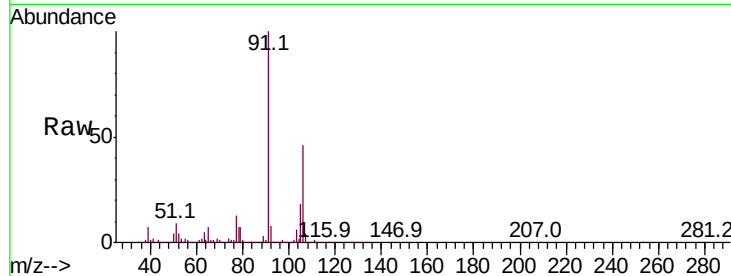
#60
o-Xylene
Concen: 3.160 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.04 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Instrument :
MSVOA_L
ClientSampled :
SVP-01

Tot Ion: 91 Resp: 1564054
Ion Ratio Lower Upper
91 100
106 46.8 24.8 74.4

Manual Integrations
APPROVED

MMDadoda
11/27/2020 1:16:31 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.865 ppbv
RT: 14.39 min Scan# 3608
Delta R.T. -0.04 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Tgt Ion: 95 Resp: 3811384
Ion Ratio Lower Upper
95 100
174 68.3 59.8 89.6
175 4.8 4.3 6.5

