

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040821\
 Data File : VL036757.D
 Acq On : 8 Apr 2021 19:18
 Operator : SY/AP
 Sample : M1981-03DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2DL

Manual Integrations
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MMDadoda
 4/12/2021 11:47:10 AM

Quant Time: Apr 09 09:32:12 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1418963	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3575579	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2863272	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	1758106	7.70	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	77.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.25	62	28966	0.301	ppbv #	79
9) Propene	3.01	41	57863m	0.685	ppbv	
10) Heptane	8.12	43	34714m	0.161	ppbv	
13) Ethanol	3.62	45	13700m	1.361	ppbv	
15) Acetone	3.85	43	389804	2.791	ppbv	91
20) Methylene Chloride	4.34	84	90594	1.385	ppbv	92
26) Hexane	5.68	57	98112	0.637	ppbv #	46
27) Carbon Disulfide	4.55	76	21408m	0.141	ppbv	
30) Cyclohexane	7.12	84	29949m	0.240	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	56322	0.378	ppbv #	87
34) 2-Butanone	5.26	43	42711	0.245	ppbv	93
36) Benzene	6.89	78	42932m	0.130	ppbv	
38) Trichloroethene	7.83	130	82929	0.646	ppbv	90
44) 2,2,4-Trimethylpentane	7.86	57	530793	0.915	ppbv #	74
53) Toluene	9.80	91	33546m	0.096	ppbv	
59) m/p-Xylene	12.96	91	70479m	0.194	ppbv	
60) o-Xylene	13.69	91	55352m	0.158	ppbv	

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

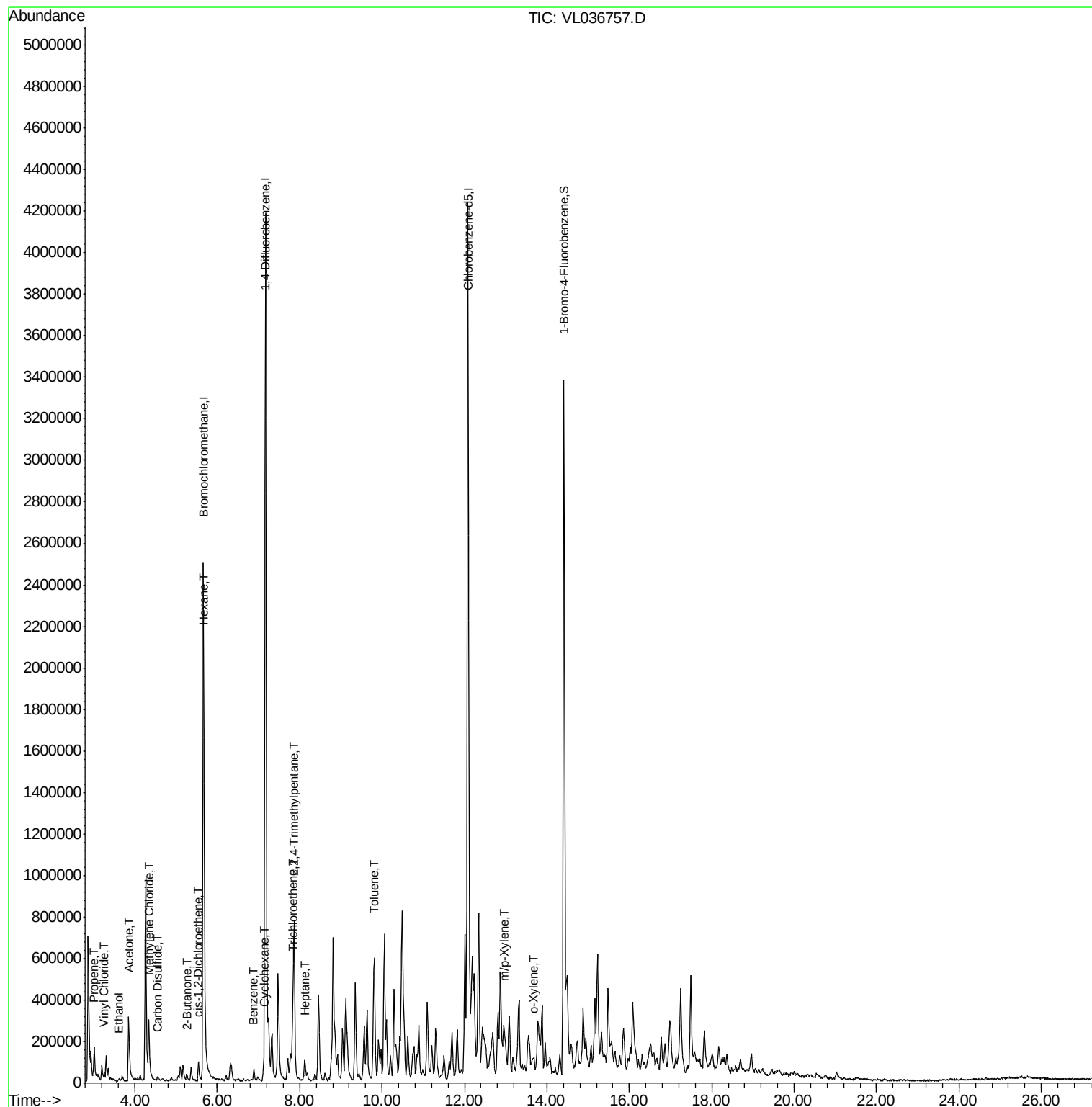
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040821\
Data File : VL036757.D
Acq On : 8 Apr 2021 19:18
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Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

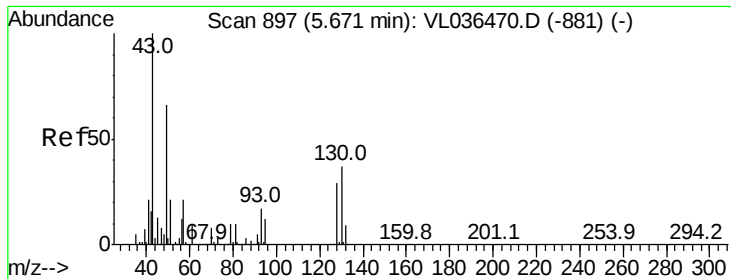
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

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Quant Time: Apr 09 09:32:12 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL036757.D

Acq: 8 Apr 2021 19:18

Instrument :

MSVOA_L

ClientSampled :

SG-2DL

Tot Ion: 49 Resp: 1418963

Ion Ratio Lower Upper

49 100

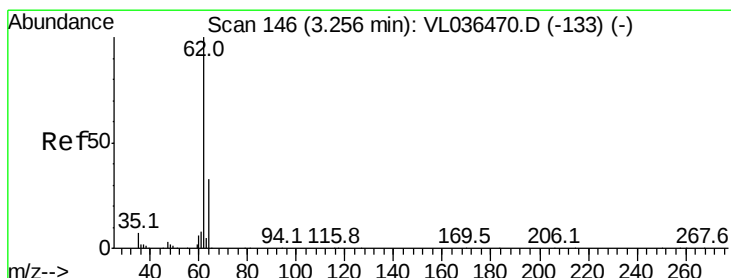
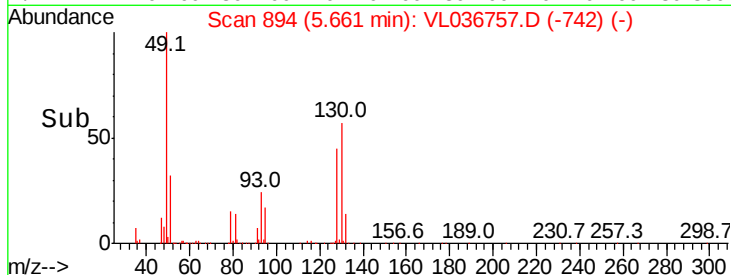
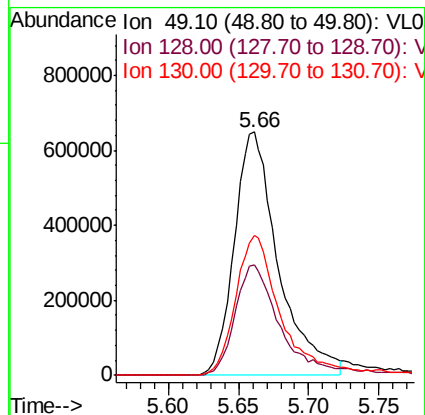
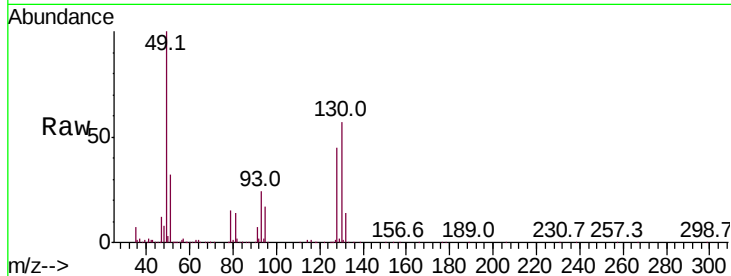
128 48.9 23.5 70.6

130 61.7 29.1 87.4

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#5

Vinyl Chloride

Concen: 0.301 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL036757.D

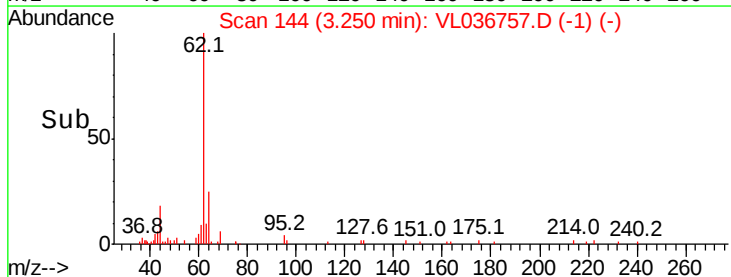
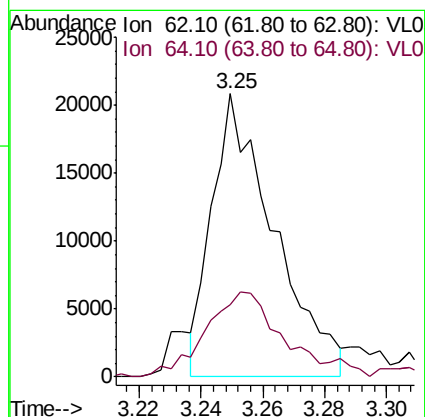
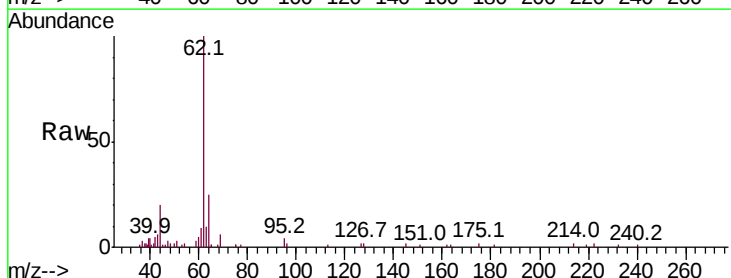
Acq: 8 Apr 2021 19:18

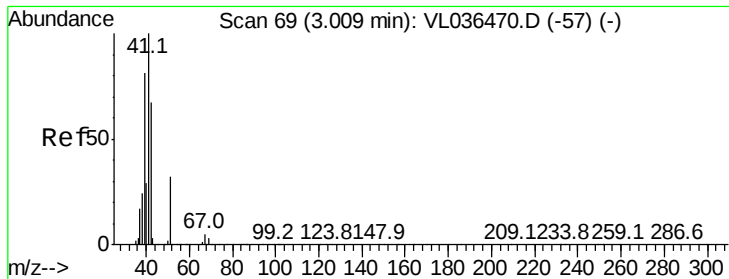
Tgt Ion: 62 Resp: 28966

Ion Ratio Lower Upper

62 100

64 21.2 26.4 39.6#





#9

Propene

Concen: 0.685 ppbv m

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL036757.D

Acq: 8 Apr 2021 19:18

Instrument :

MSVOA_L

ClientSampleId :

SG-2DL

Tot Ion: 41 Resp: 57863

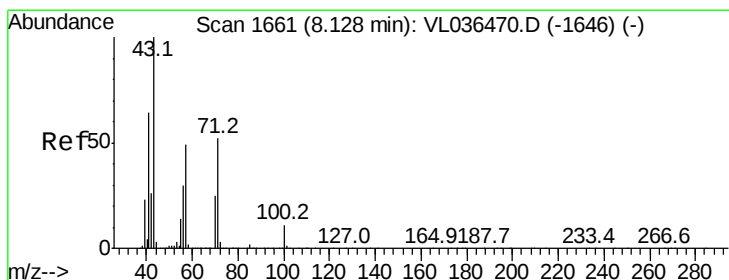
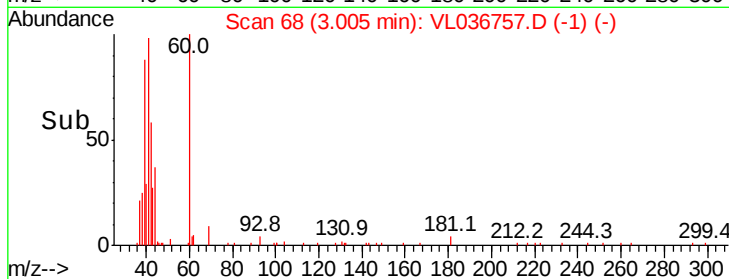
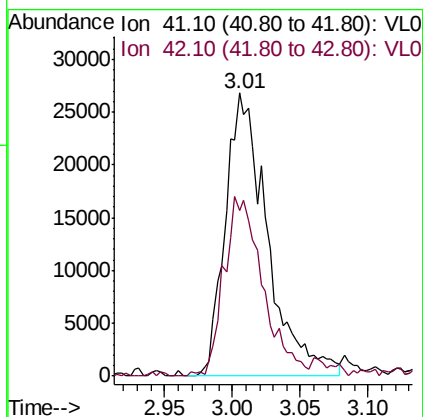
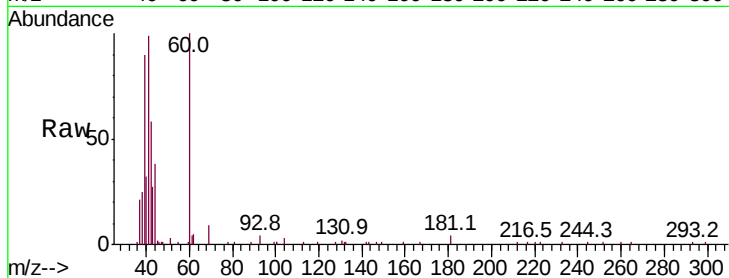
Ion Ratio Lower Upper

41 100

42 12.7 57.0 85.4#

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#10

Heptane

Concen: 0.161 ppbv m

RT: 8.12 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VL036757.D

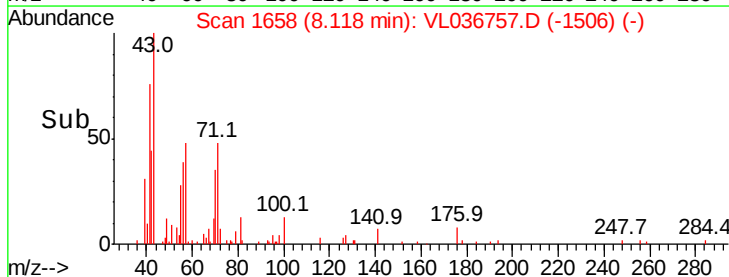
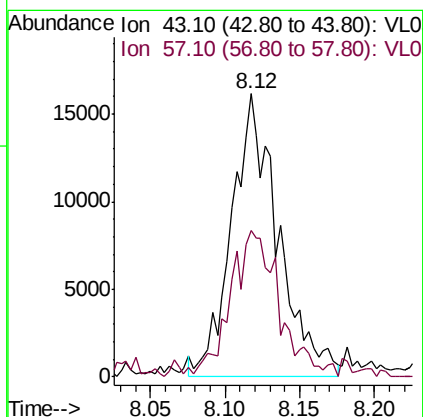
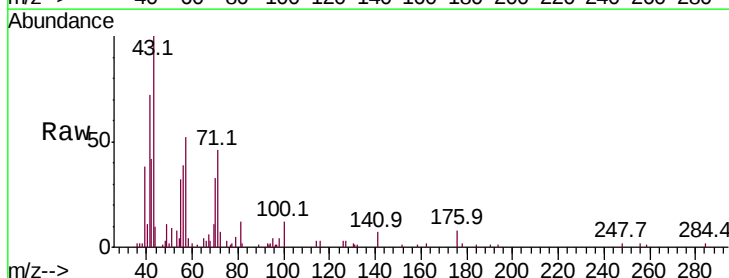
Acq: 8 Apr 2021 19:18

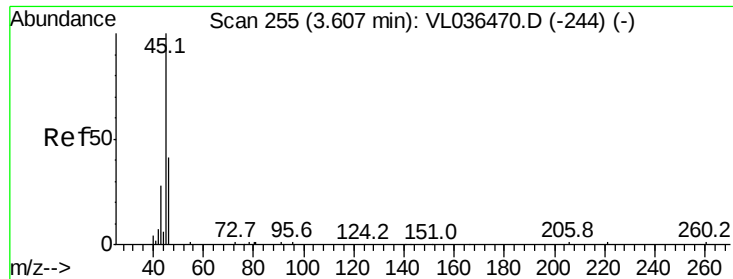
Tgt Ion: 43 Resp: 34714

Ion Ratio Lower Upper

43 100

57 58.1 39.0 58.6





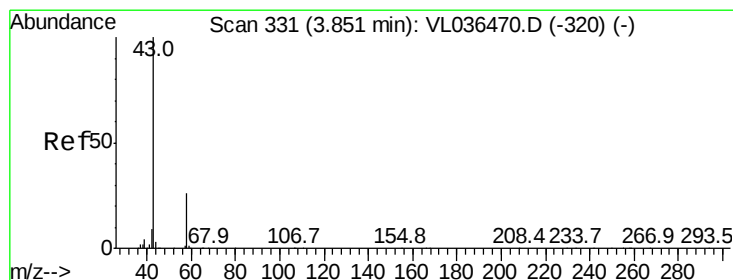
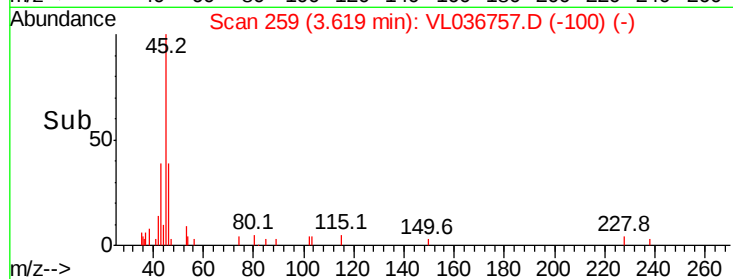
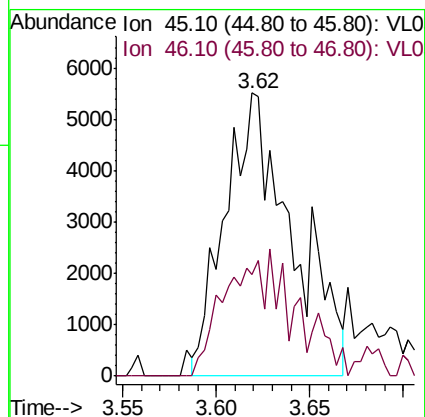
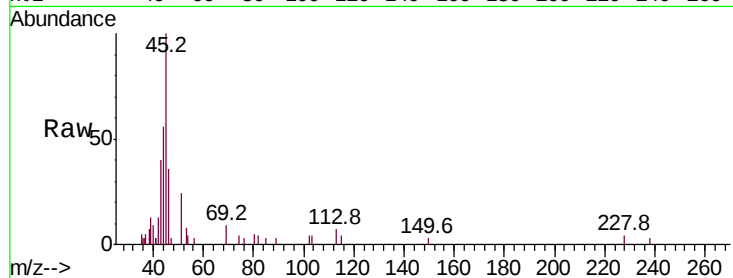
#13
Ethanol
Concen: 1.361 ppbv m
RT: 3.62 min Scan# 259
Delta R.T. 0.01 min
Lab File: VL036757.D
Acq: 8 Apr 2021 19:18

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tot Ion: 45 Resp: 13700
Ion Ratio Lower Upper
45 100
46 0.0 16.6 66.2#

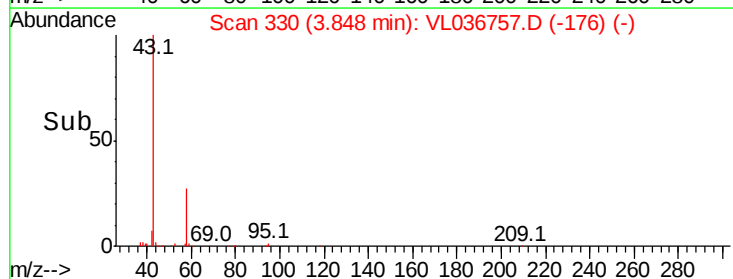
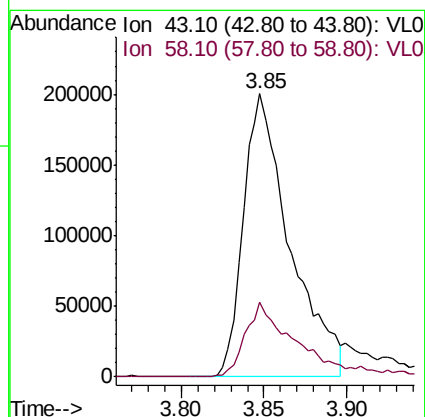
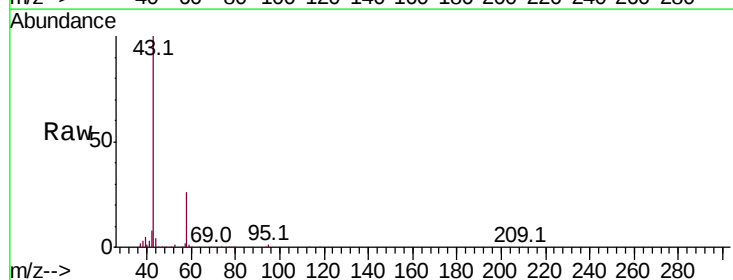
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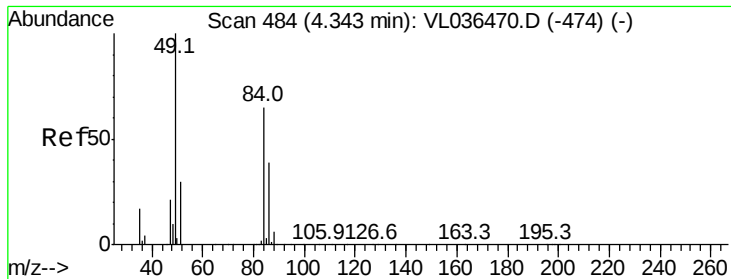
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#15
Acetone
Concen: 2.791 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL036757.D
Acq: 8 Apr 2021 19:18

Tgt Ion: 43 Resp: 389804
Ion Ratio Lower Upper
43 100
58 31.3 21.2 31.8





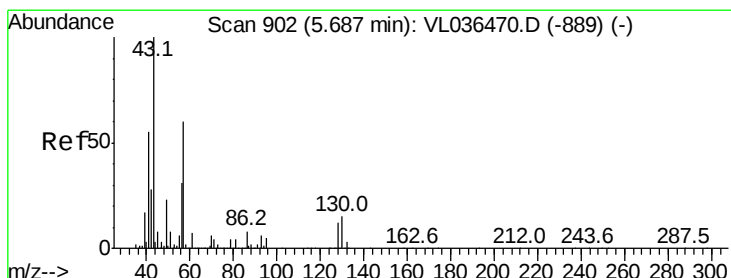
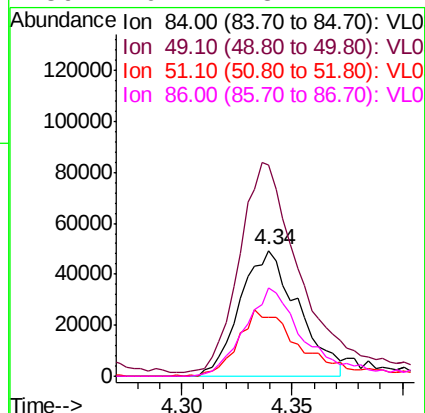
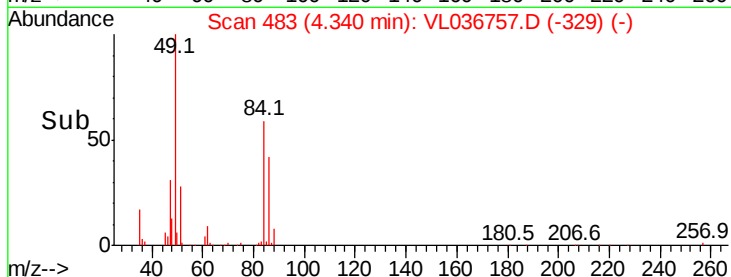
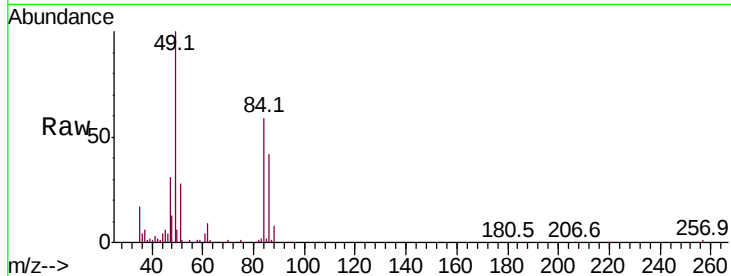
#20
Methvlene Chloride
Concen: 1.385 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL036757.D
Acq: 8 Apr 2021 19:18

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tot Ion:	84	Resp:	90594
Ion	Ratio	Lower	Upper
84	100		
49	164.7	122.9	184.3
51	45.3	36.9	55.3
86	70.7	48.2	72.4

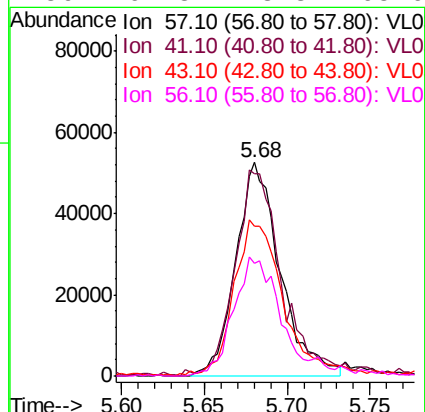
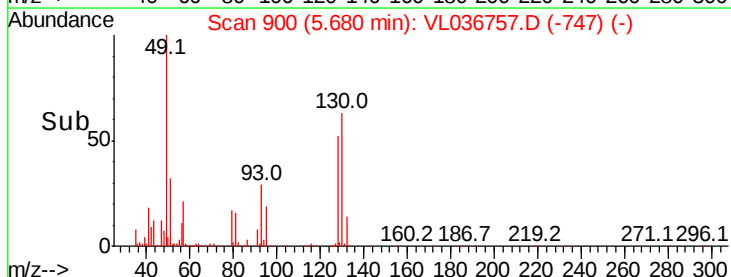
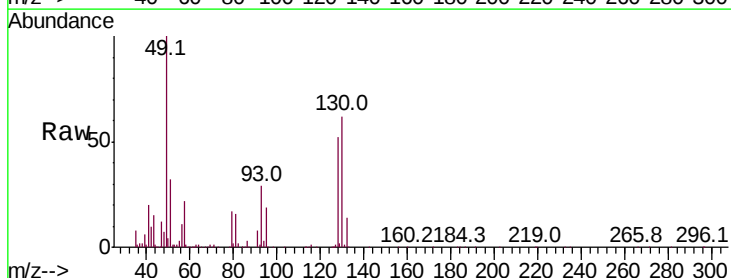
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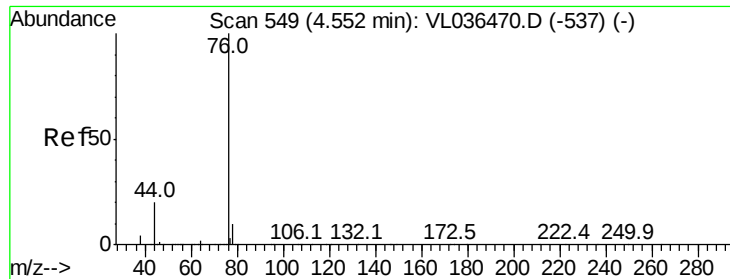
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#26
Hexane
Concen: 0.637 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL036757.D
Acq: 8 Apr 2021 19:18

Tgt Ion:	57	Resp:	98112
Ion	Ratio	Lower	Upper
57	100		
41	103.4	77.2	115.8
43	80.1	173.8	260.6#
56	62.8	43.8	65.6





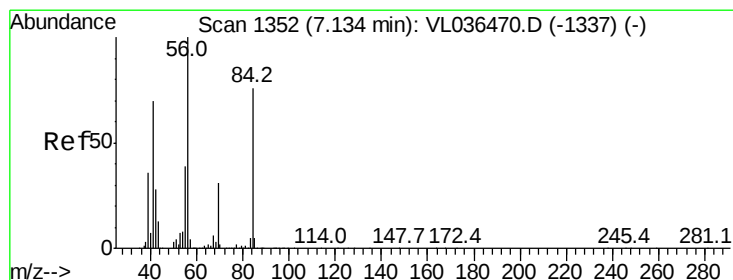
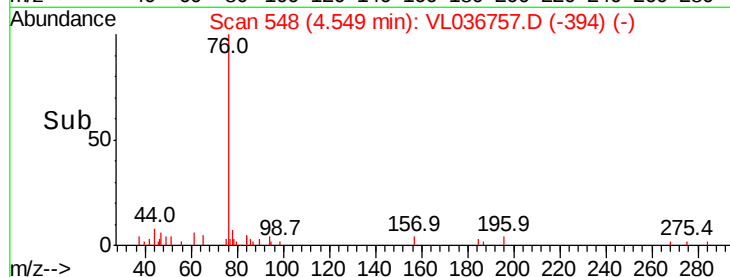
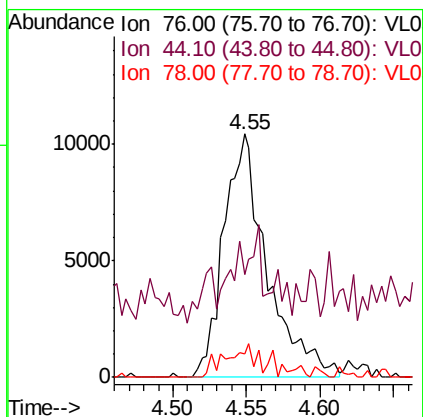
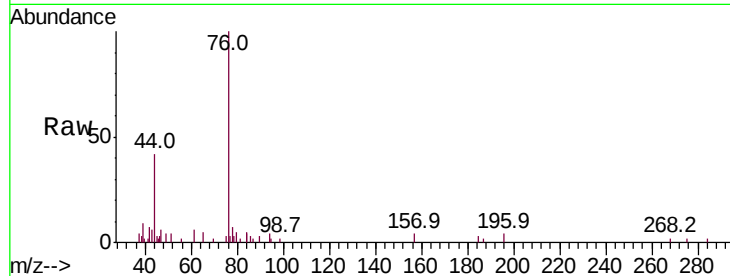
#27
Carbon Disulfide
Concen: 0.141 ppbv m
RT: 4.55 min Scan# 548
Delta R.T. -0.00 min
Lab File: VL036757.D
Acq: 8 Apr 2021 19:18

Instrument :
MSVOA_L
ClientSampled :
SG-2DL

Tot Ion	Ratio	Lower	Upper
76	100		
44	23.2	17.5	26.3
78	12.8	8.6	13.0

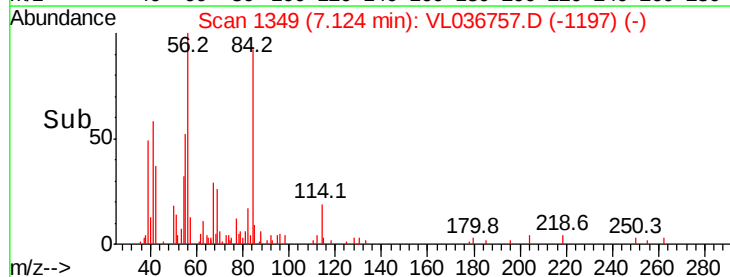
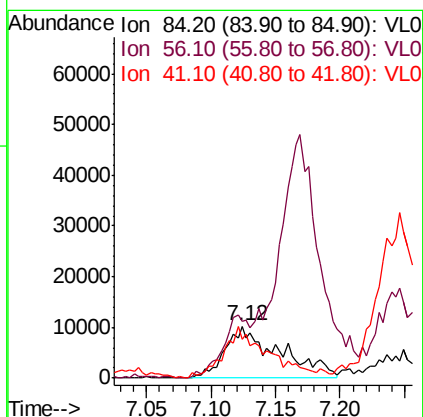
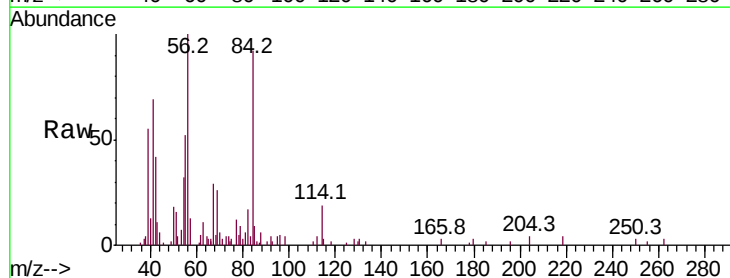
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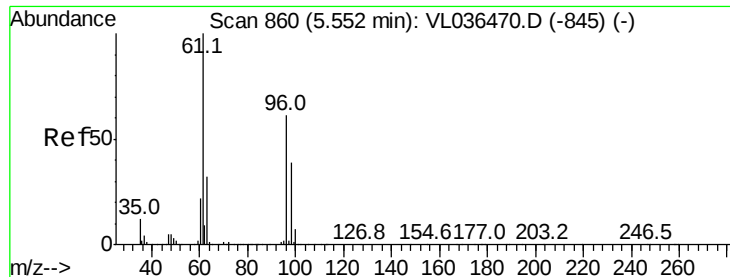
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#30
Cyclohexane
Concen: 0.240 ppbv m
RT: 7.12 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL036757.D
Acq: 8 Apr 2021 19:18

Tgt Ion	Ratio	Lower	Upper
84	100		
56	0.0	114.6	171.8#
41	78.6	75.3	112.9





#31

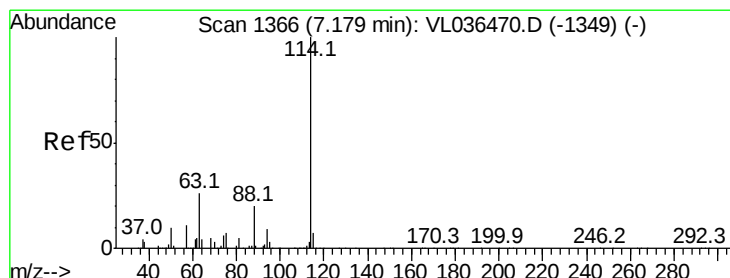
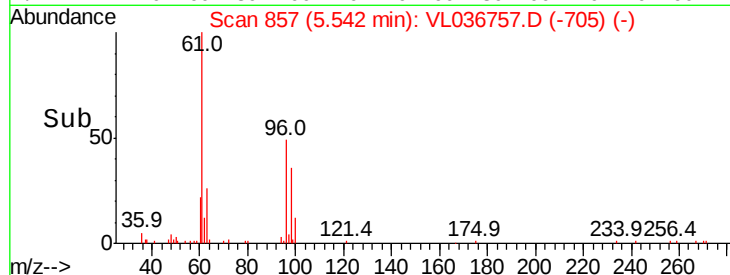
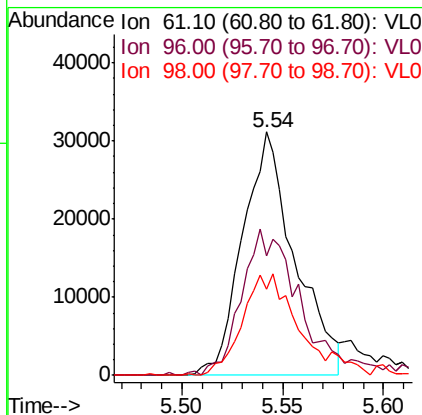
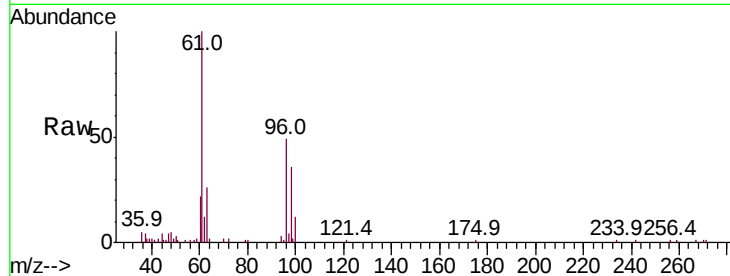
cis-1,2-Dichloroethene
 Concen: 0.378 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VL036757.D
 Acq: 8 Apr 2021 19:18

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2DL

Tot Ion	Ratio	Lower	Upper
61	100		
96	48.1	48.7	73.1#
98	35.1	31.4	47.0

Manual Integrations
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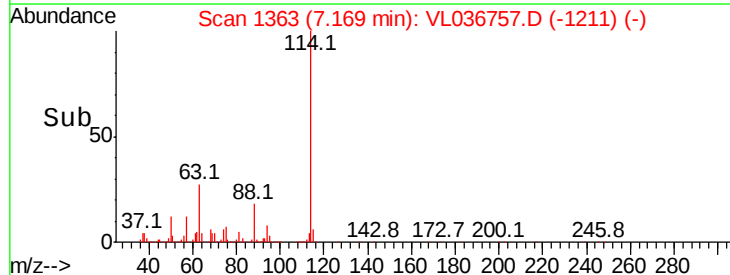
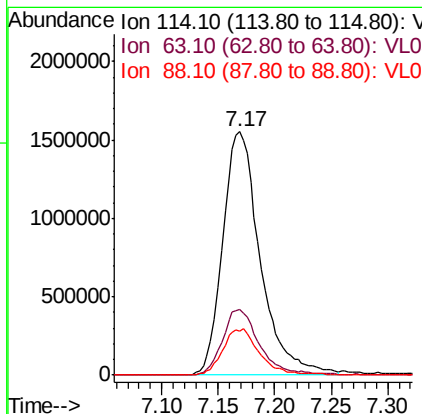
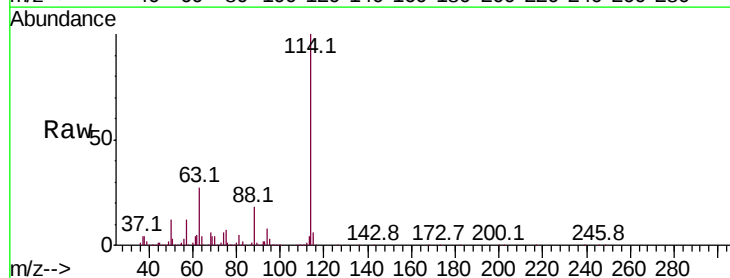
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 4/12/2021 11:47:10 AM

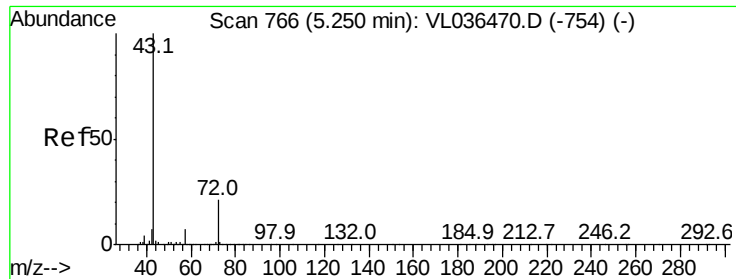


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: VL036757.D
 Acq: 8 Apr 2021 19:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.2	22.4	33.6
88	18.9	15.4	23.0





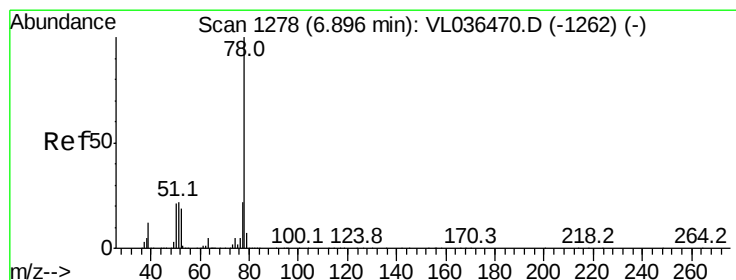
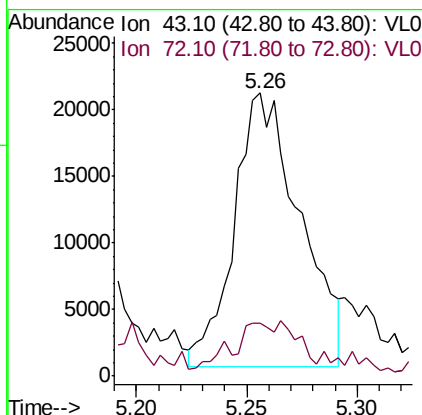
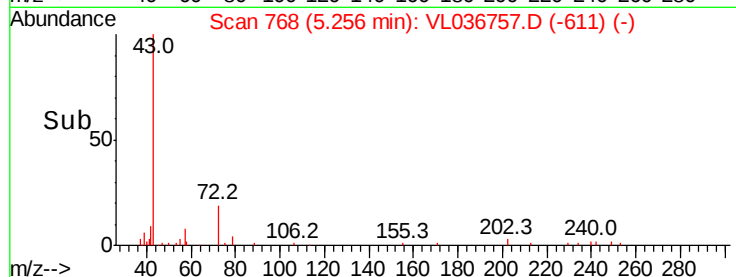
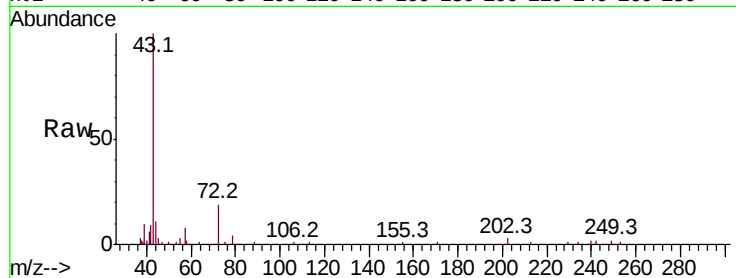
#34
2-Butanone
Concen: 0.245 ppbv
RT: 5.26 min Scan# 768
Delta R.T. 0.01 min
Lab File: VL036757.D
Acq: 8 Apr 2021 19:18

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tot Ion	43	Resp	42711
Ion Ratio	100	Lower	Upper
72	24.8	17.0	25.6

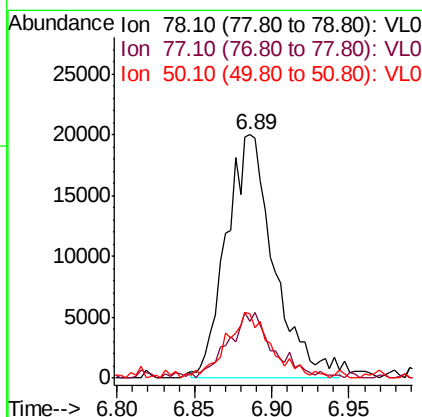
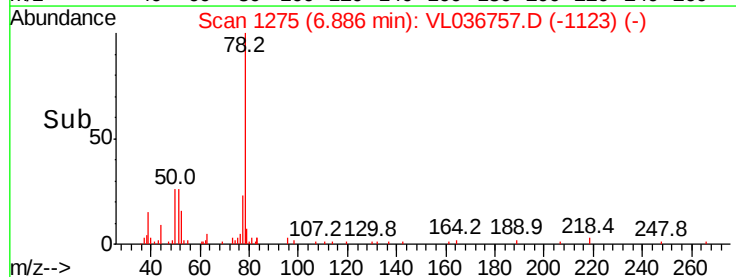
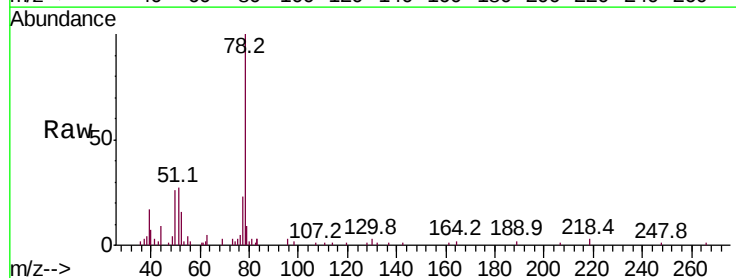
Manual Integrations
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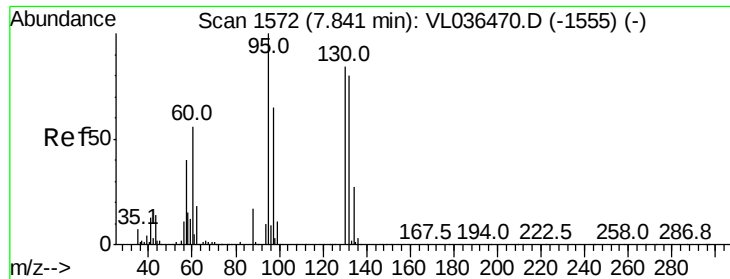
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#36
Benzene
Concen: 0.130 ppbv m
RT: 6.89 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VL036757.D
Acq: 8 Apr 2021 19:18

Tgt Ion	78	Resp	42932
Ion Ratio	100	Lower	Upper
77	23.2	18.0	27.0
50	26.3	16.5	24.7#





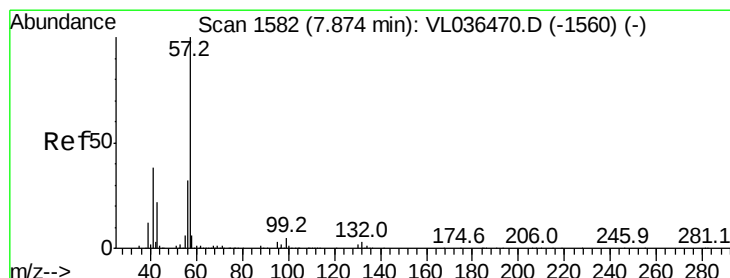
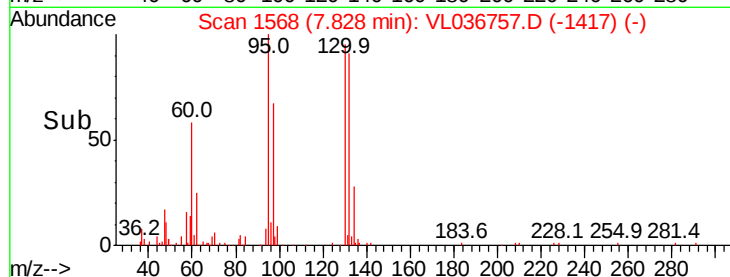
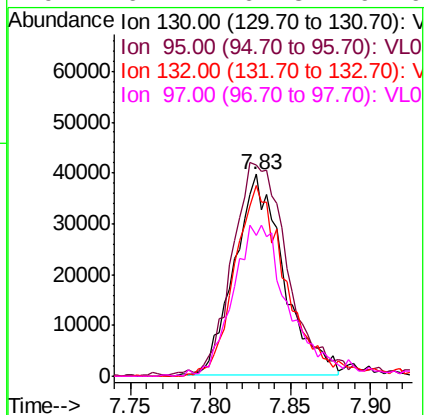
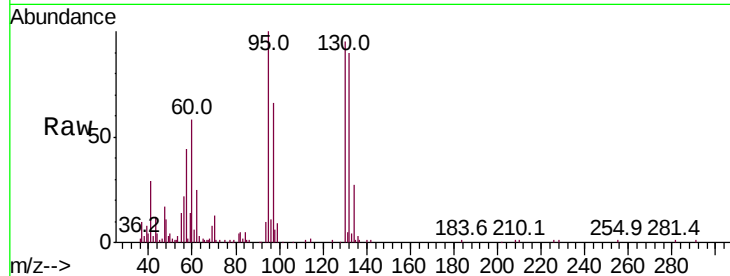
#38
 Trichloroethene
 Concen: 0.646 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VL036757.D
 Acq: 8 Apr 2021 19:18

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2DL

Tot Ion	Ratio	Lower	Upper
130	100		
95	102.8	95.7	143.5
132	94.4	76.2	114.4
97	67.1	61.8	92.6

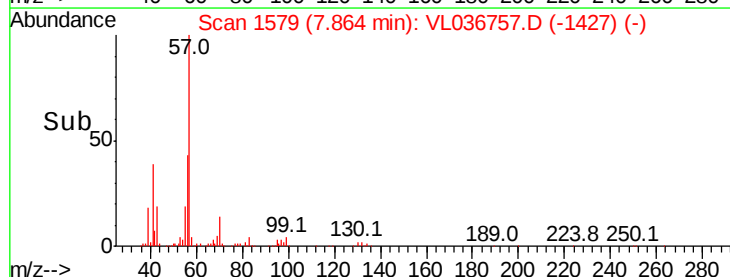
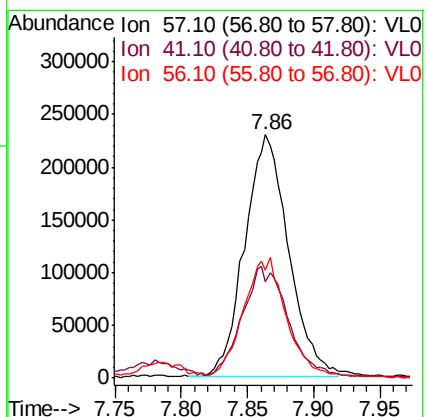
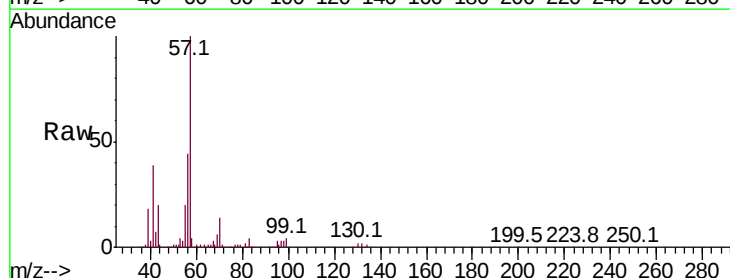
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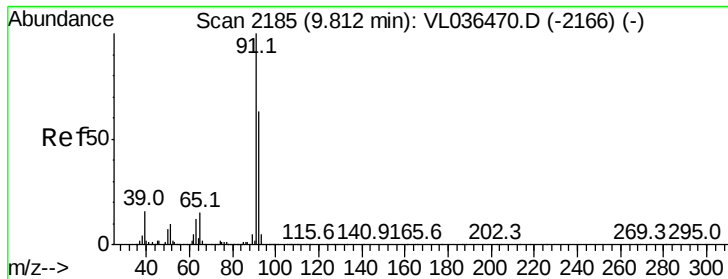
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#44
 2,2,4-Trimethylpentane
 Concen: 0.915 ppbv
 RT: 7.86 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: VL036757.D
 Acq: 8 Apr 2021 19:18

Tgt Ion	Ratio	Lower	Upper
57	100		
41	48.4	28.8	43.2#
56	49.9	26.1	39.1#





#53

Toluene

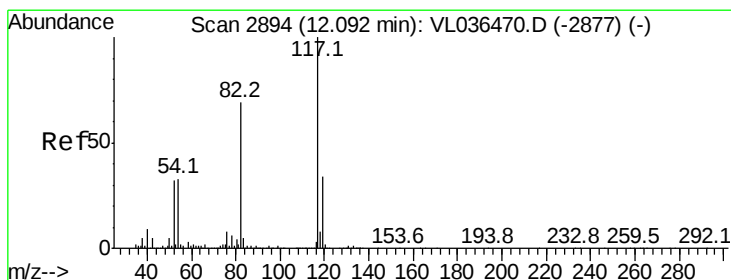
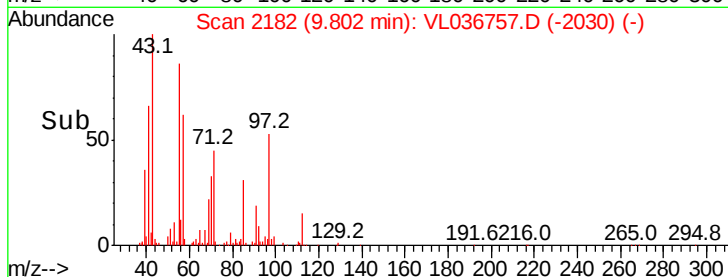
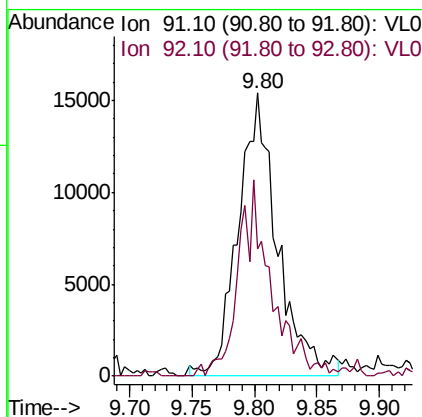
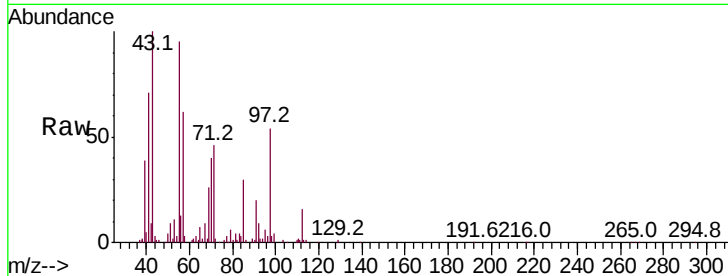
Concen: 0.096 ppbv m
RT: 9.80 min Scan# 2182
Delta R.T. -0.01 min
Lab File: VL036757.D
Acq: 8 Apr 2021 19:18

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tot Ion: 91 Resp: 33546
Ion Ratio Lower Upper
91 100
92 59.8 48.8 73.2

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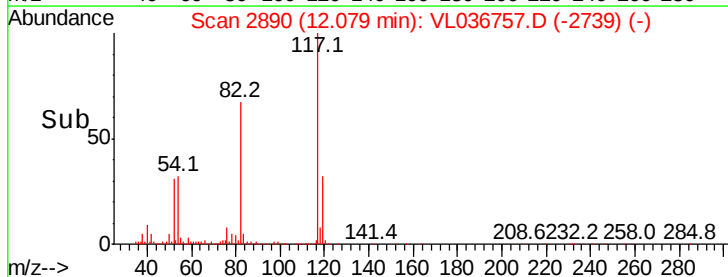
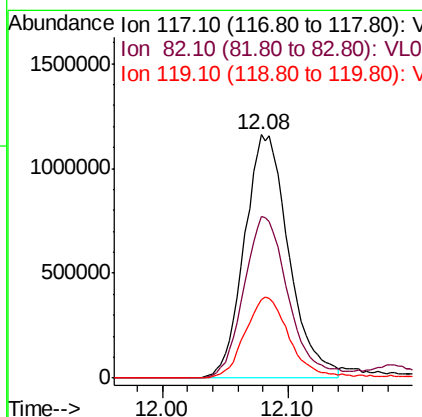
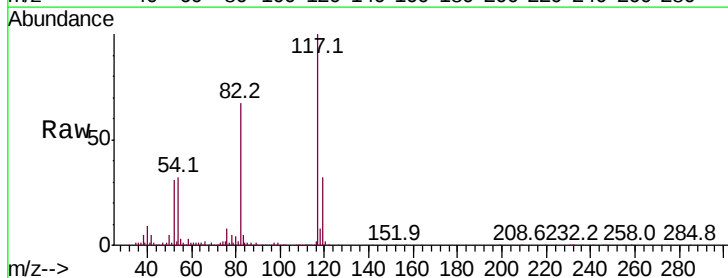


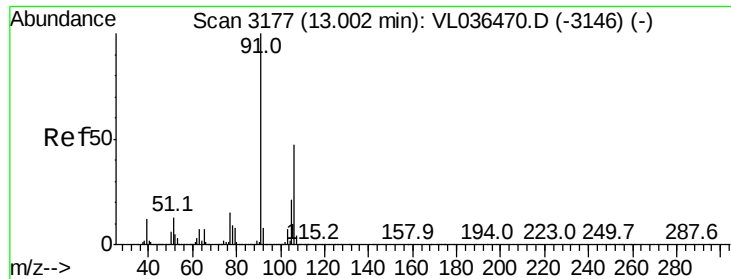
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL036757.D
Acq: 8 Apr 2021 19:18

Tgt Ion: 117 Resp: 2863272
Ion Ratio Lower Upper
117 100
82 66.4 57.4 86.0
119 34.2 47.4 71.0#





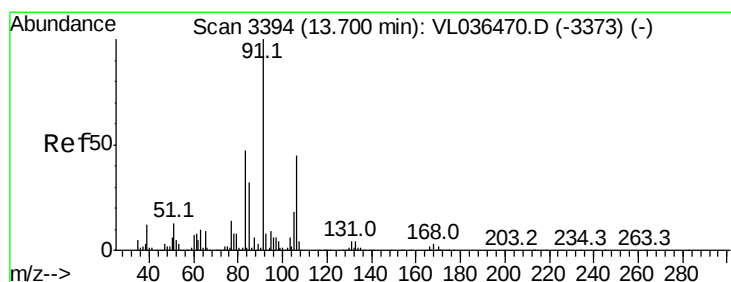
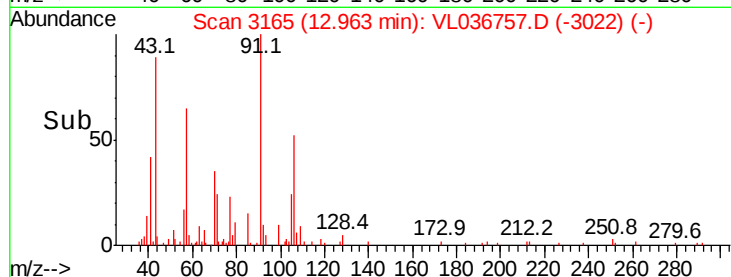
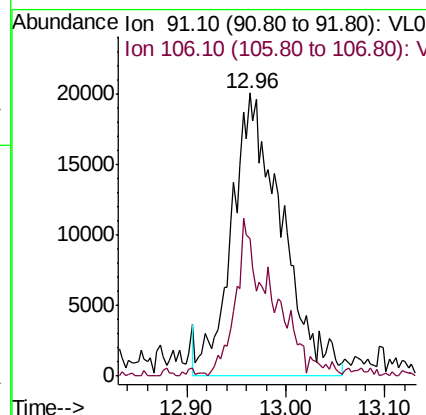
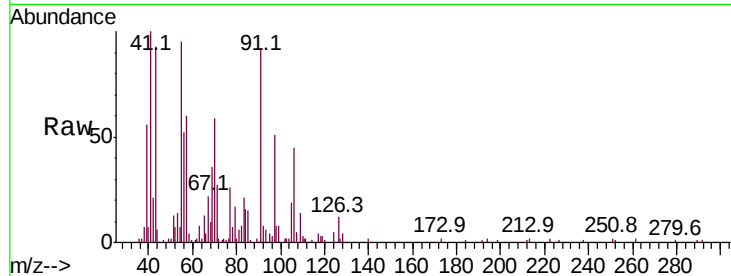
#59
m/p-Xylene
Concen: 0.194 ppbv m
RT: 12.96 min Scan# 3165
Delta R.T. -0.04 min
Lab File: VL036757.D
Acq: 8 Apr 2021 19:18

Instrument :
MSVOA_L
ClientSampled :
SG-2DL

Tot Ion: 91 Resp: 70479
Ion Ratio Lower Upper
91 100
106 0.0 35.3 52.9#

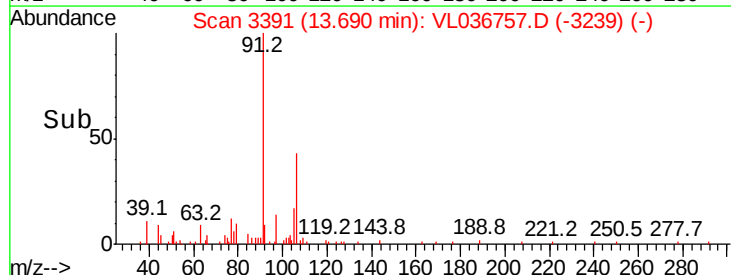
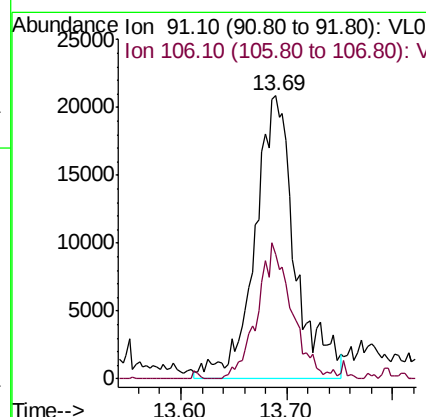
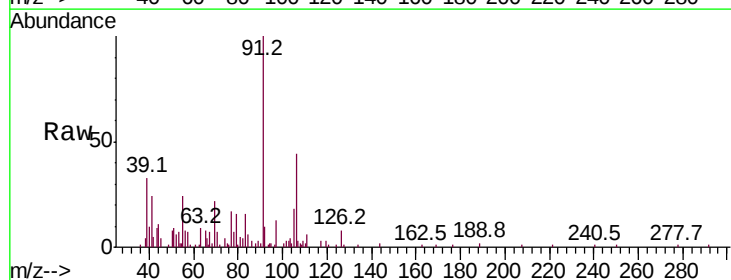
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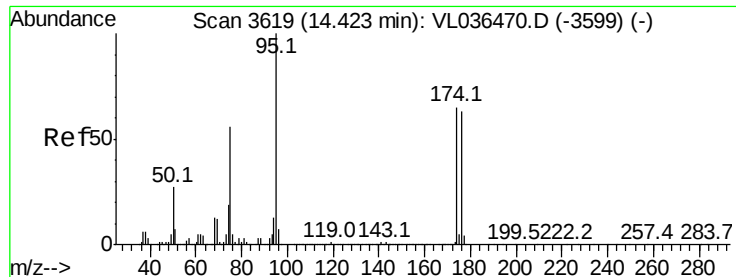
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#60
o-Xylene
Concen: 0.158 ppbv m
RT: 13.69 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL036757.D
Acq: 8 Apr 2021 19:18

Tgt Ion: 91 Resp: 55352
Ion Ratio Lower Upper
91 100
106 41.1 22.3 66.9





#68

1-Bromo-4-Fluorobenzene

Concen: 7.704 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.01 min

Lab File: VL036757.D

Acq: 8 Apr 2021 19:18

Instrument :

MSVOA_L

ClientSampleId :

SG-2DL

Tot Ion: 95 Resp: 1758106

Ion Ratio Lower Upper

95 100

174 69.6 51.0 76.6

175 5.3 3.9 5.9

Manual Integrations

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4/12/2021 11:47:10 AM

