

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082020\
 Data File : VL035473.D
 Acq On : 20 Aug 2020 13:47
 Operator : SY/AP
 Sample : L3743-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-1DL

Manual Integrations
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 8/21/2020 11:24:11 AM

Quant Time: Aug 21 06:30:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1039618	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4586999	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	4576549	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	3233638	10.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	106628	0.818	ppbv	99
9) Propene	3.02	41	36775	0.702	ppbv #	80
13) Ethanol	3.60	45	101252	5.275	ppbv	100
15) Acetone	3.85	43	361059	3.017	ppbv #	81
20) Methylene Chloride	4.34	84	426112	4.414	ppbv #	63
26) Hexane	5.69	57	133144	1.013	ppbv #	31
34) 2-Butanone	5.26	43	66042	0.431	ppbv #	74
38) Trichloroethene	7.84	130	1715174	9.159	ppbv #	83
41) Tetrahydrofuran	6.08	42	13042m	0.154	ppbv	
50) 4-Methyl-2-Pentanone	8.77	43	29127m	0.132	ppbv	
52) Tetrachloroethene	11.23	164	1396480	6.800	ppbv #	83
53) Toluene	9.81	91	217321	0.501	ppbv	98
59) m/p-Xylene	12.98	91	122043m	0.261	ppbv	
60) o-Xylene	13.70	91	46397	0.102	ppbv	89
74) 1,2,4-Trimethylbenzene	16.78	105	170949	0.284	ppbv #	71

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

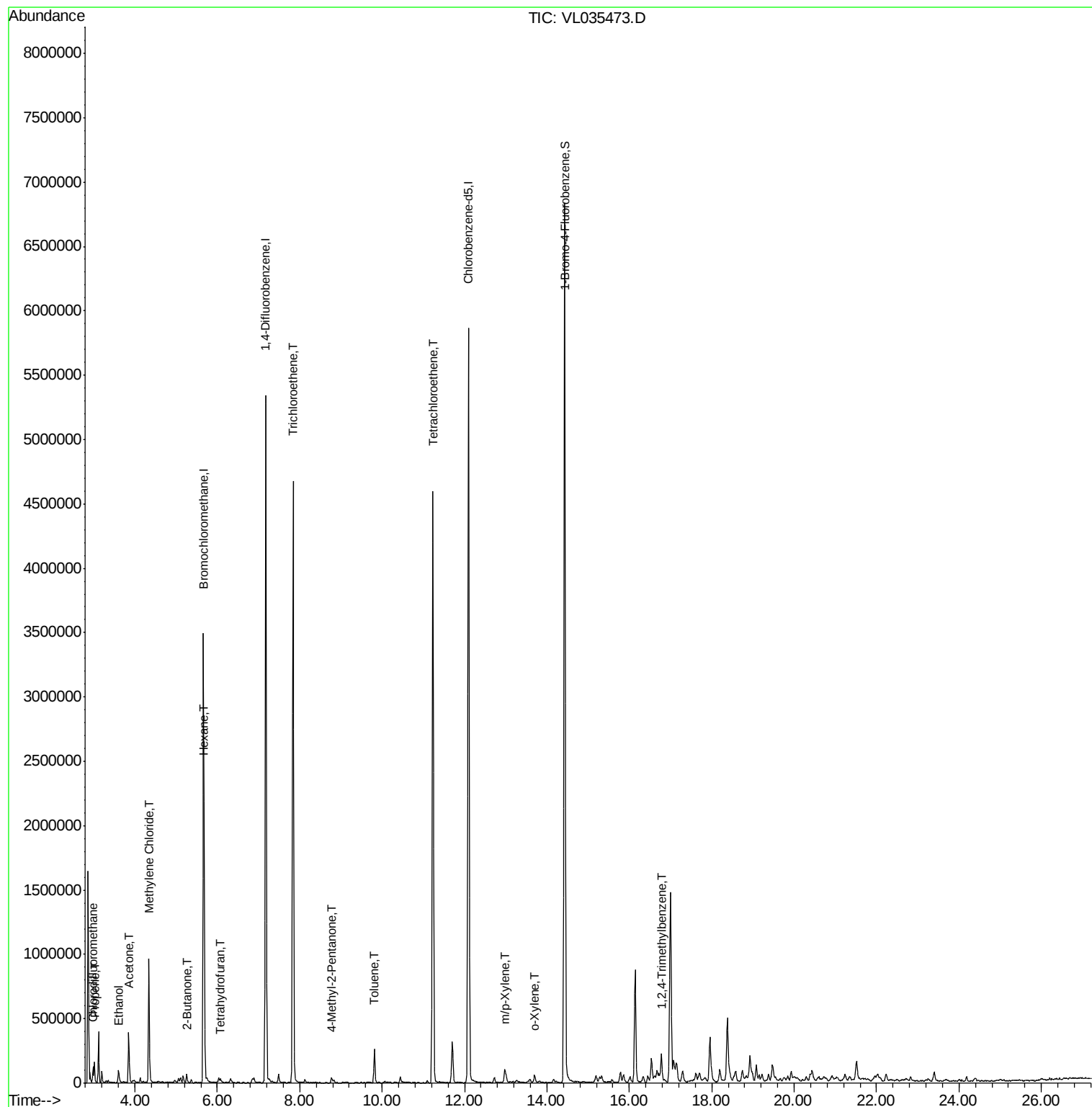
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL082020\
Data File : VL035473.D
Acq On : 20 Aug 2020 13:47
Operator : SY/AP
Sample : L3743-01DL 10X
Misc : 400ml/MSVOA L
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Instrument :
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ClientSampleId :
SSMP-1DL

Manual Integrations
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8/21/2020 11:24:11 AM

Quant Time: Aug 21 06:30:27 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug
QLast Update : Mon Aug 17 19:28:30 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL035473.D

Acq: 20 Aug 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

SSMP-1DL

Tot Ion: 49 Resp: 1039618

Ion Ratio Lower Upper

49 100

128 101.0 20.9 62.7#

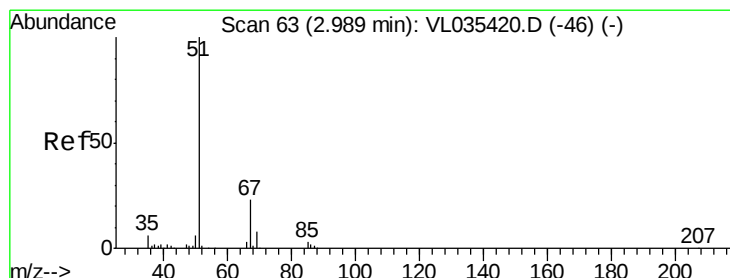
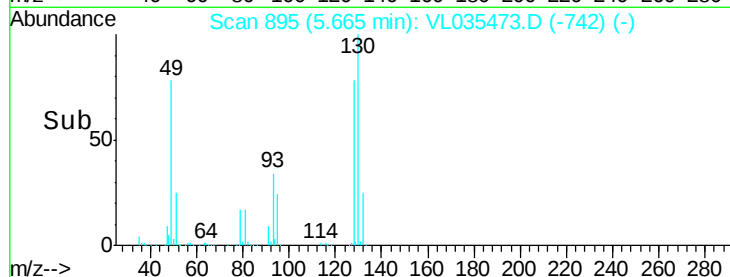
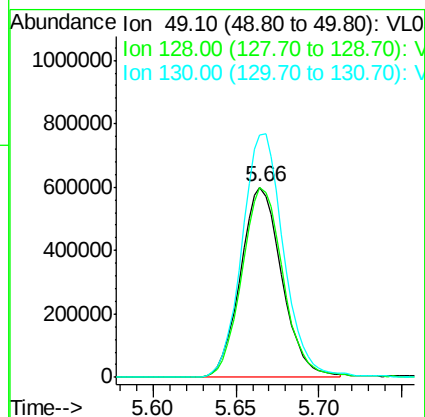
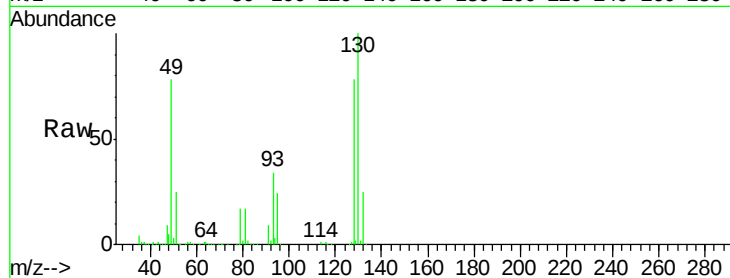
130 130.3 26.7 80.1#

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#3

Chlorodifluoromethane

Concen: 0.818 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL035473.D

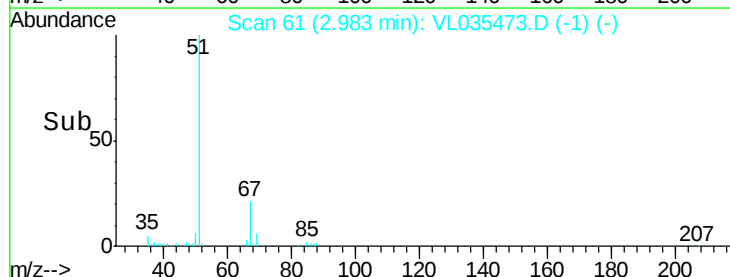
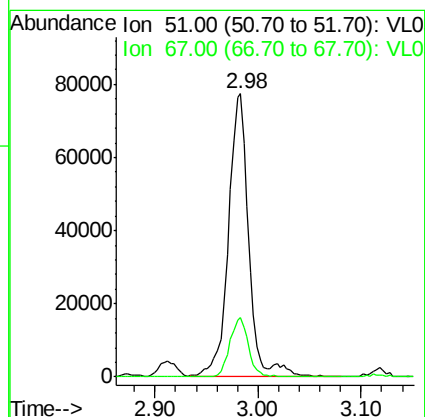
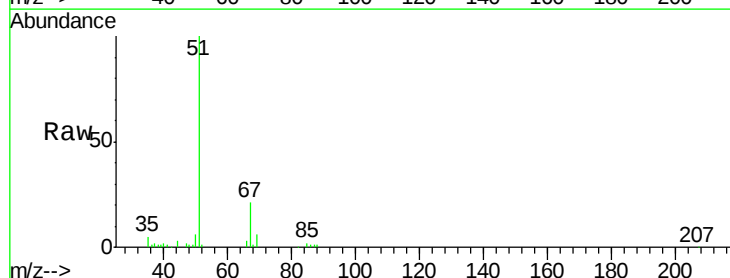
Acq: 20 Aug 2020 13:47

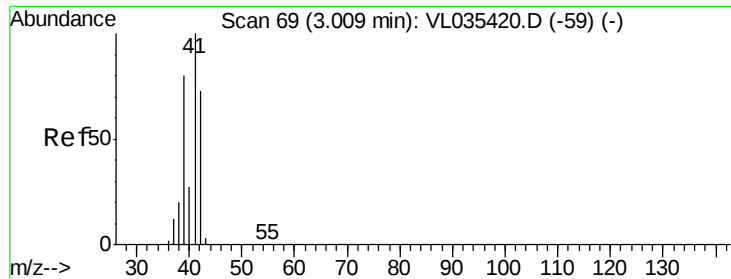
Tgt Ion: 51 Resp: 106628

Ion Ratio Lower Upper

51 100

67 19.2 15.0 22.6





#9

Propene

Concen: 0.702 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL035473.D

Acq: 20 Aug 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

SSMP-1DL

Tot Ion: 41 Resp: 36775

Ion Ratio Lower Upper

41 100

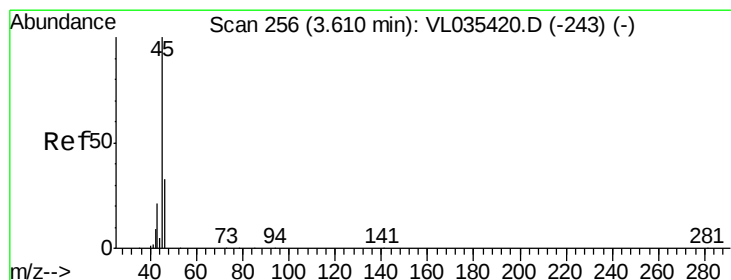
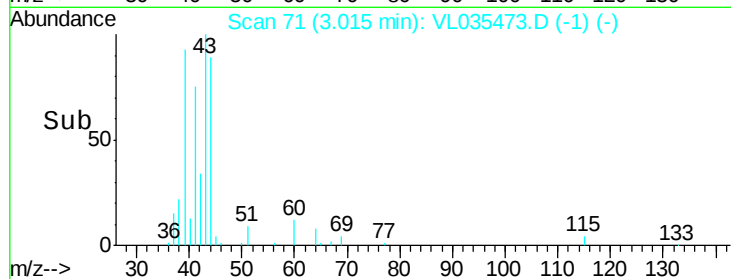
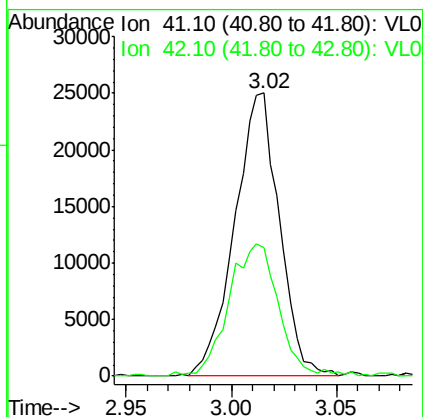
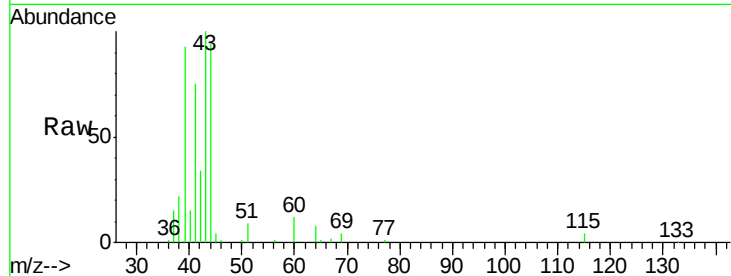
42 53.0 55.5 83.3#

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#13

Ethanol

Concen: 5.275 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL035473.D

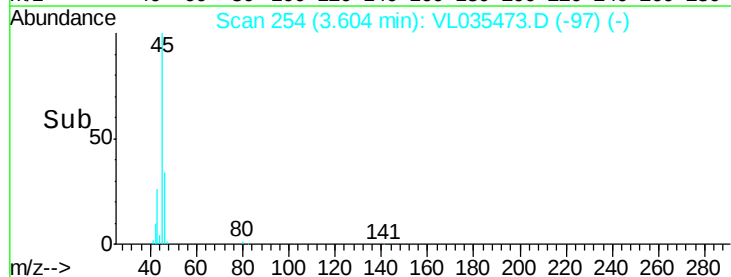
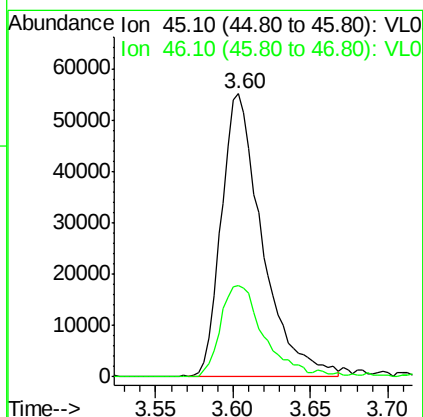
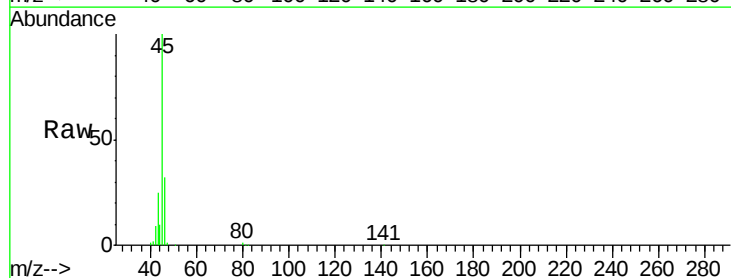
Acq: 20 Aug 2020 13:47

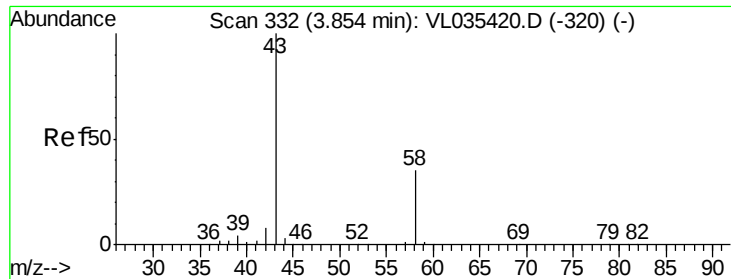
Tgt Ion: 45 Resp: 101252

Ion Ratio Lower Upper

45 100

46 35.6 14.2 56.6





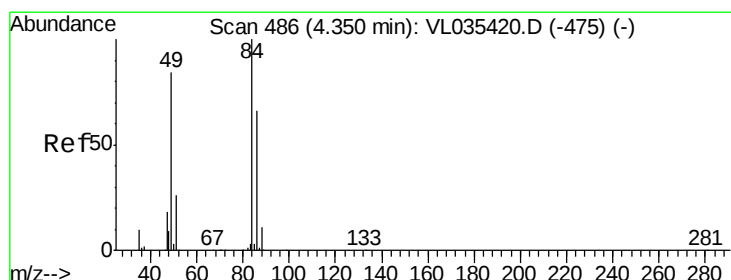
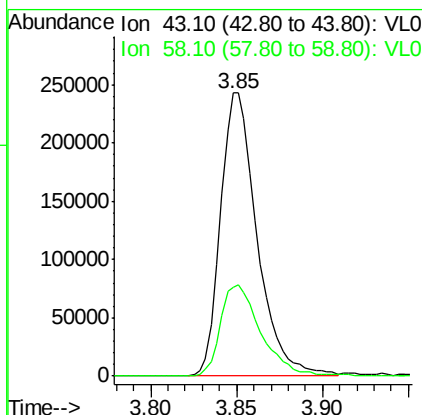
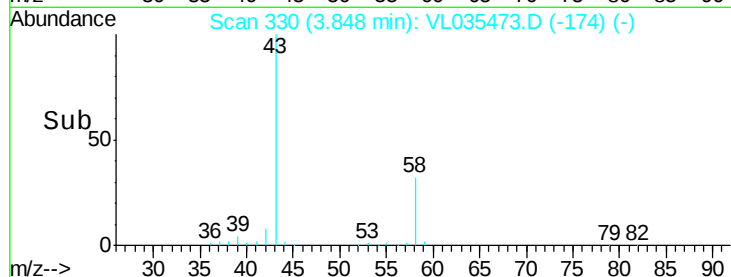
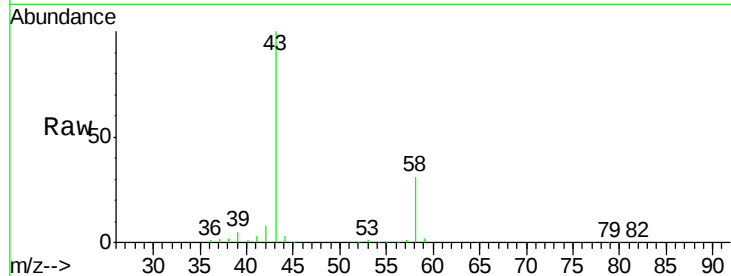
#15
Acetone
Concen: 3.017 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.00 min
Lab File: VL035473.D
Acq: 20 Aug 2020 13:47

Instrument :
MSVOA_L
ClientSampled :
SSMP-1DL

Tot Ion: 43 Resp: 361059
Ion Ratio Lower Upper
43 100
58 36.2 21.0 31.6#

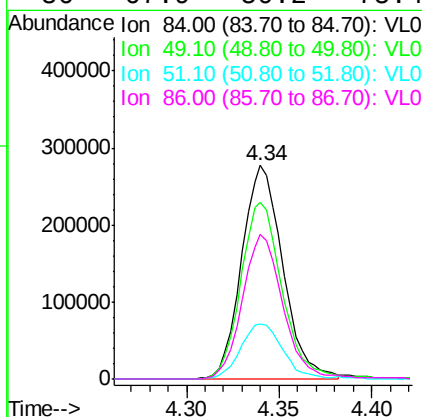
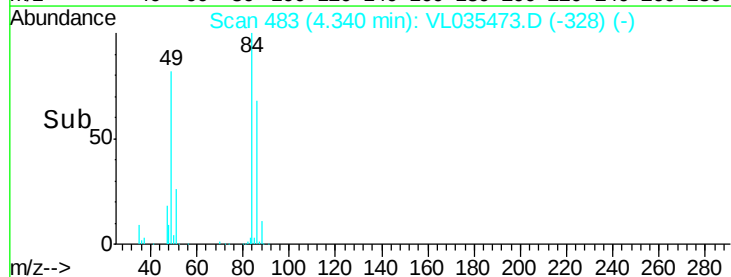
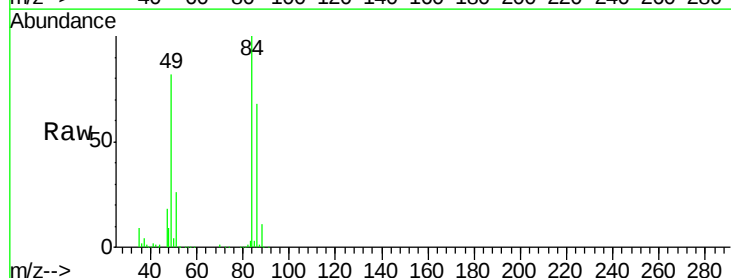
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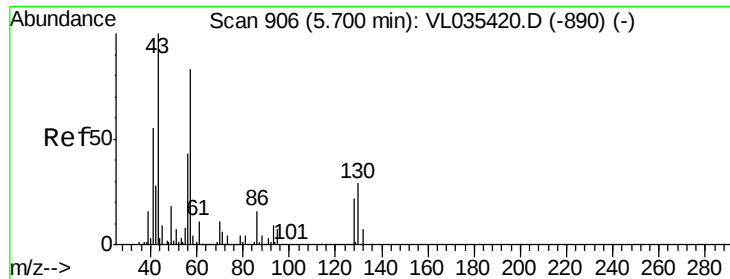
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#20
Methylene Chloride
Concen: 4.414 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL035473.D
Acq: 20 Aug 2020 13:47

Tgt Ion: 84 Resp: 426112
Ion Ratio Lower Upper
84 100
49 82.5 118.6 177.8#
51 25.7 36.4 54.6#
86 67.9 50.2 75.4





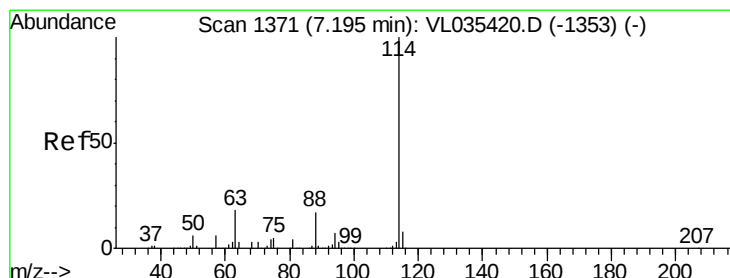
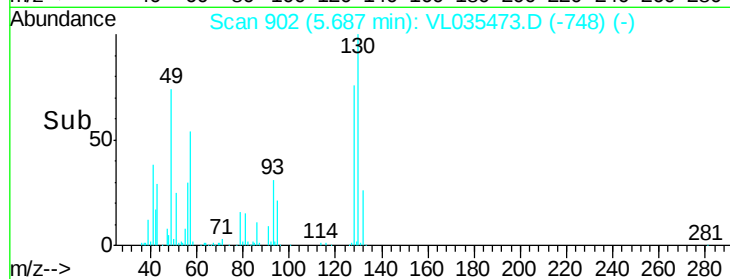
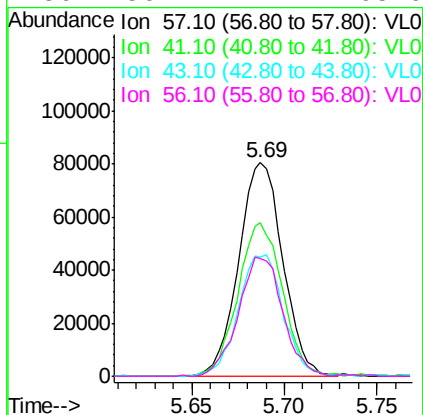
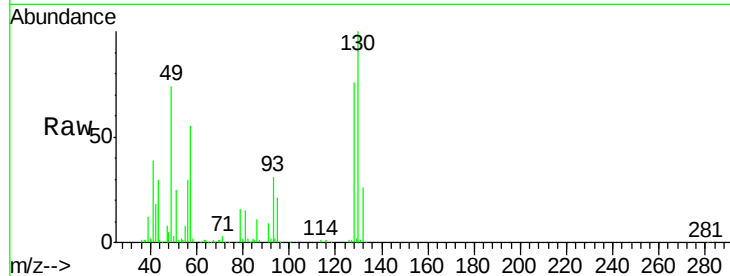
#26
Hexane
Concen: 1.013 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL035473.D
Acq: 20 Aug 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
SSMP-1DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	73.1	75.5	113.3#
43	58.5	181.7	272.5#
56	56.4	42.4	63.6

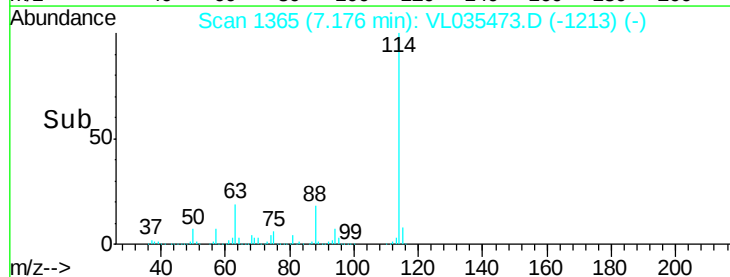
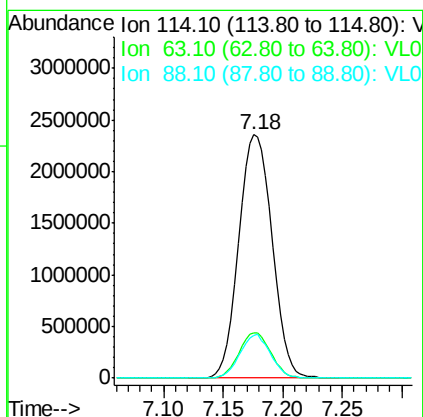
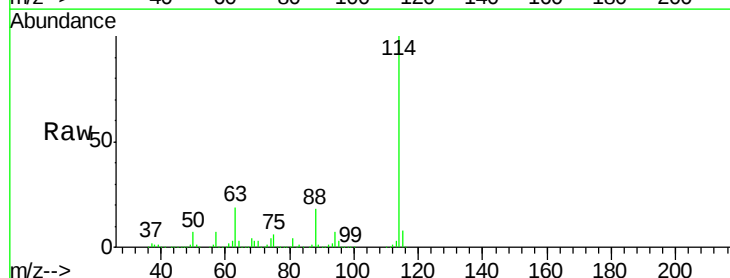
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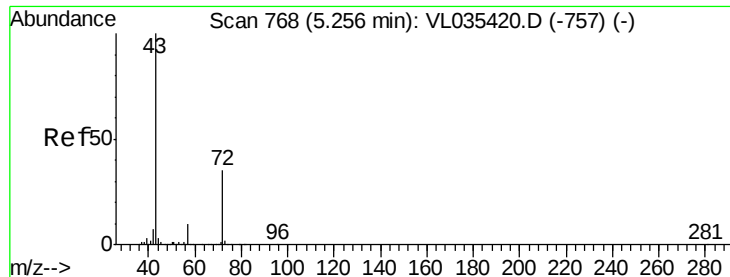
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VL035473.D
Acq: 20 Aug 2020 13:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.8	23.1	34.7#
88	16.5	15.9	23.9





#34

2-Butanone

Concen: 0.431 ppbv

RT: 5.26 min Scan# 768

Delta R.T. 0.01 min

Lab File: VL035473.D

Acq: 20 Aug 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

SSMP-1DL

Tot Ion: 43 Resp: 66042

Ion Ratio Lower Upper

43 100

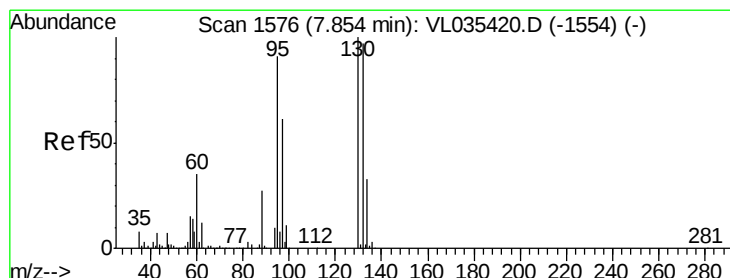
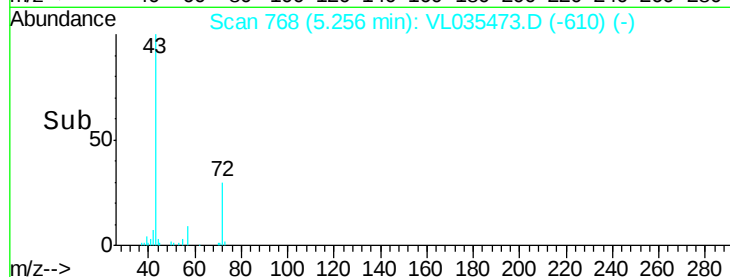
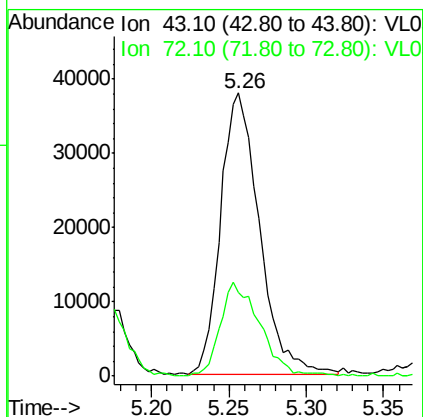
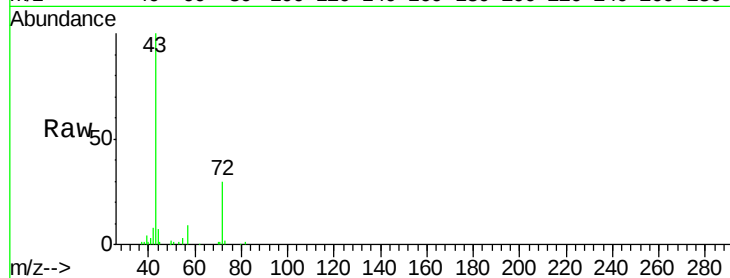
72 34.4 17.6 26.4#

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#38

Trichloroethene

Concen: 9.159 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VL035473.D

Acq: 20 Aug 2020 13:47

Tgt Ion: 130 Resp: 1715174

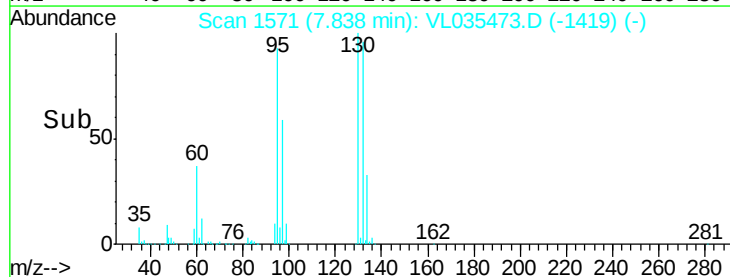
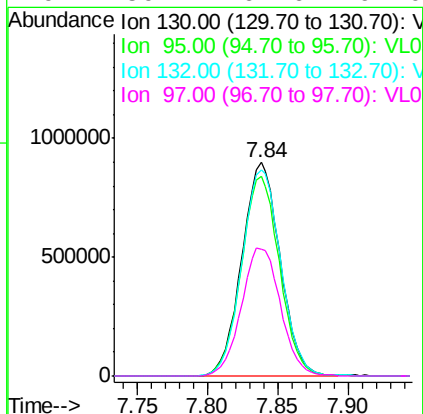
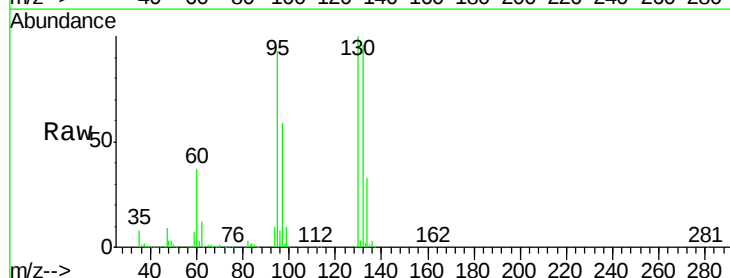
Ion Ratio Lower Upper

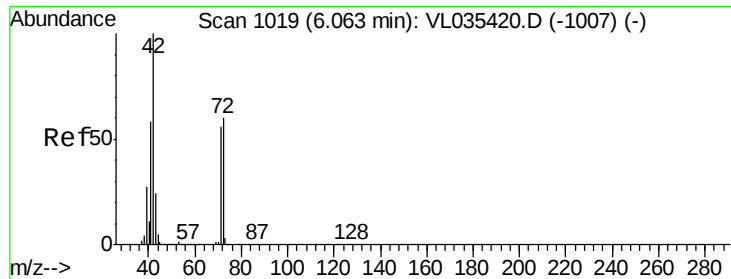
130 100

95 93.4 95.8 143.8#

132 96.3 74.3 111.5

97 59.4 62.6 94.0#





#41

Tetrahydrofuran

Concen: 0.154 ppbv m

RT: 6.08 min Scan# 1023

Delta R.T. 0.02 min

Lab File: VL035473.D

Acq: 20 Aug 2020 13:47

Instrument :

MSVOA_L

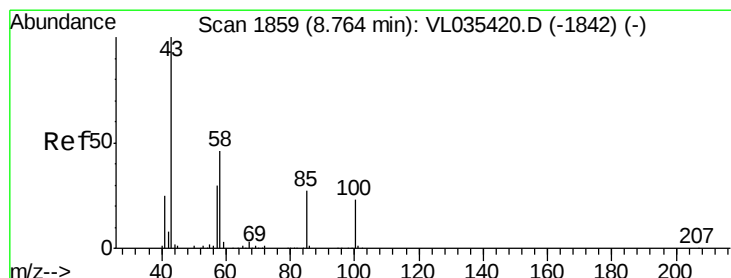
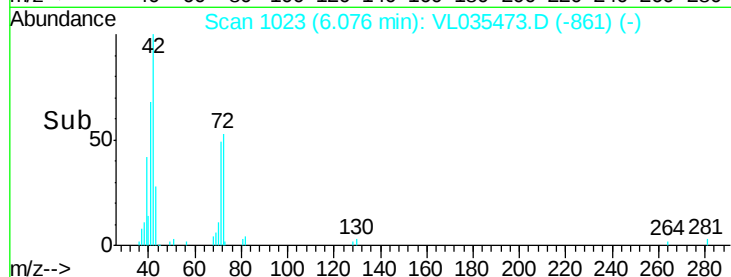
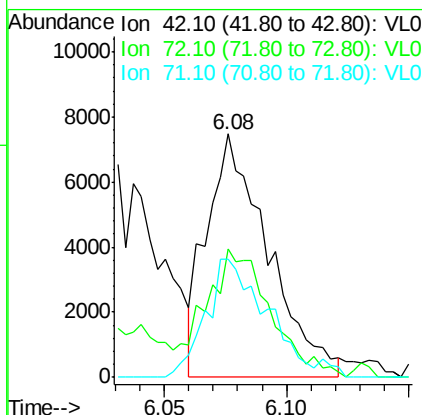
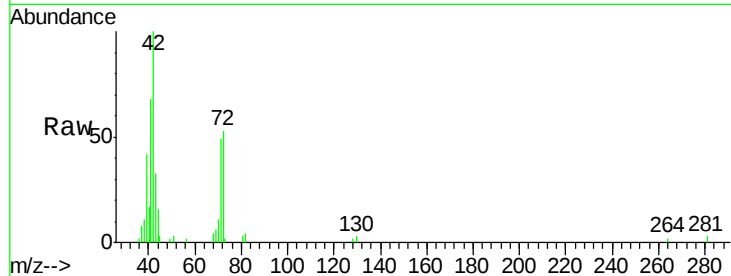
ClientSampleId :

SSMP-1DL

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.4	44.2#
71	0.0	28.9	43.3#

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#50

4-Methyl-2-Pentanone

Concen: 0.132 ppbv m

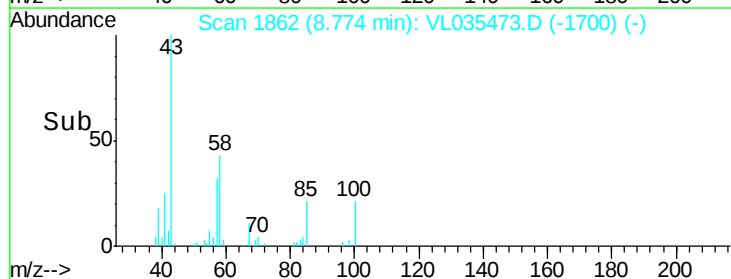
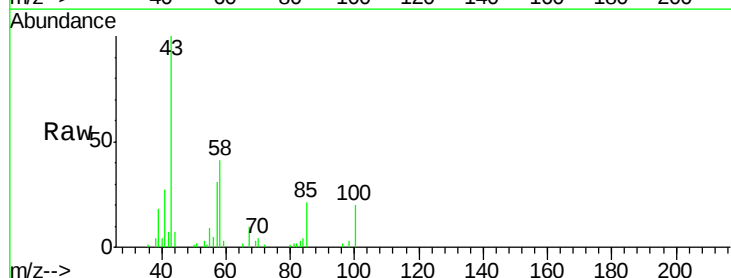
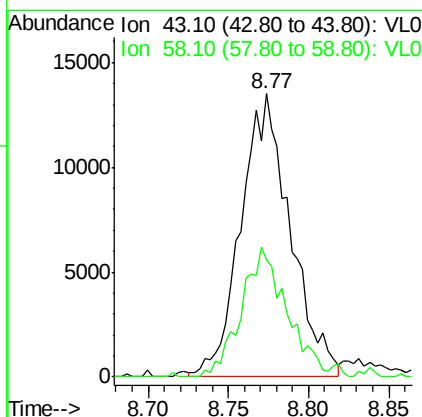
RT: 8.77 min Scan# 1862

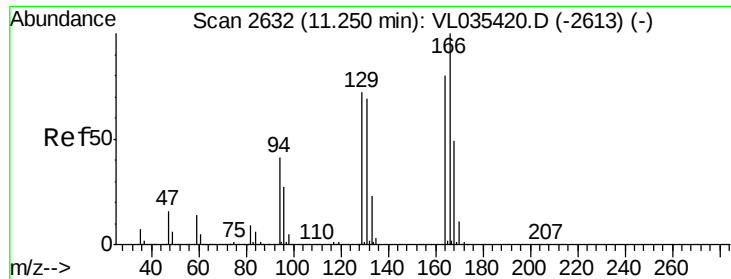
Delta R.T. 0.02 min

Lab File: VL035473.D

Acq: 20 Aug 2020 13:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.7	43.1#





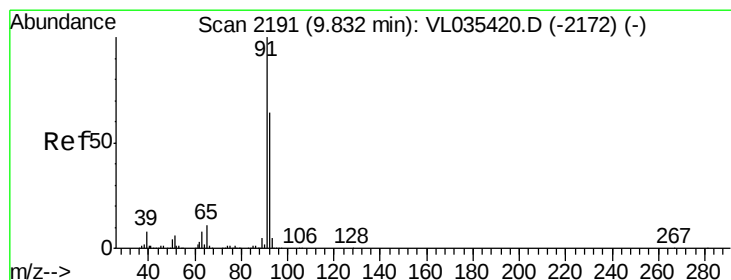
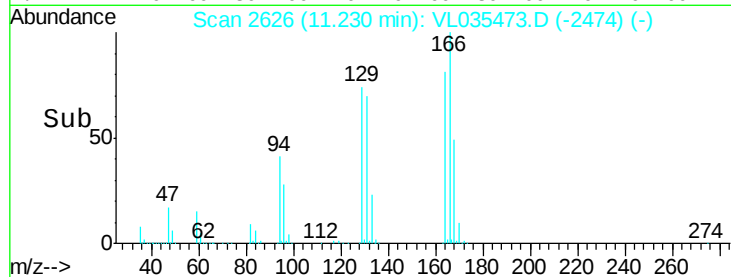
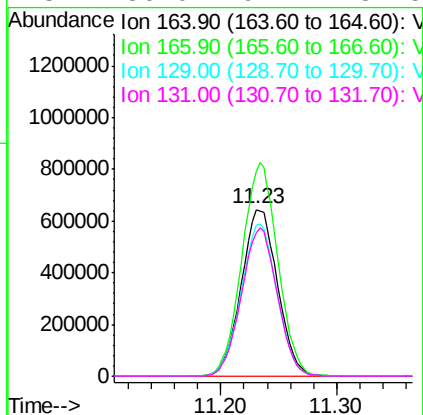
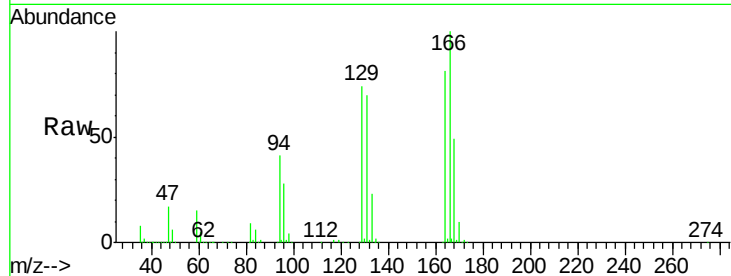
#52
Tetrachloroethene
Concen: 6.800 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. -0.01 min
Lab File: VL035473.D
Acq: 20 Aug 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
SSMP-1DL

Tot Ion:164 Resp: 1396480
Ion Ratio Lower Upper
164 100
166 123.1 103.4 155.0
129 90.5 90.2 135.4
131 86.0 91.7 137.5#

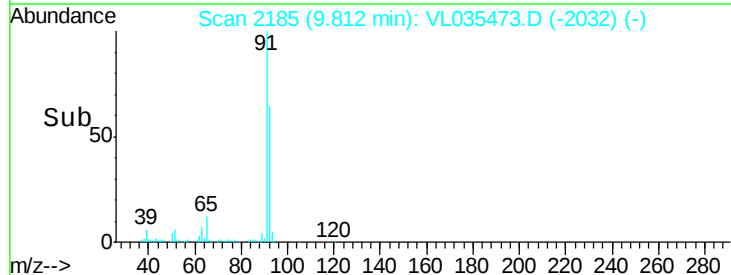
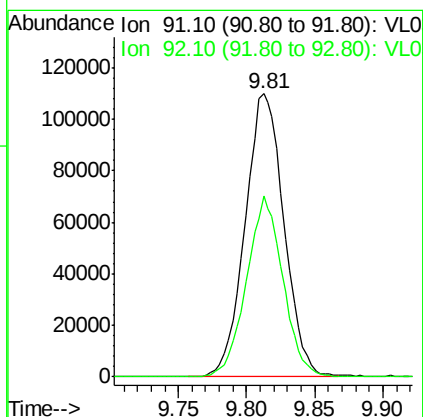
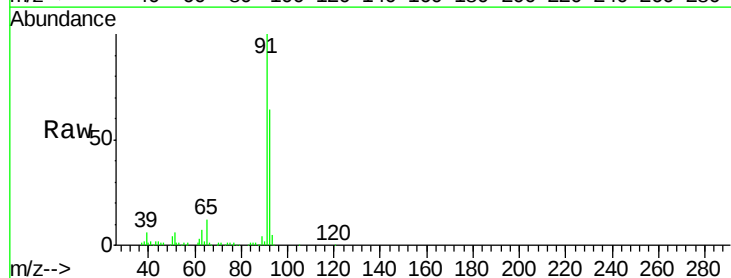
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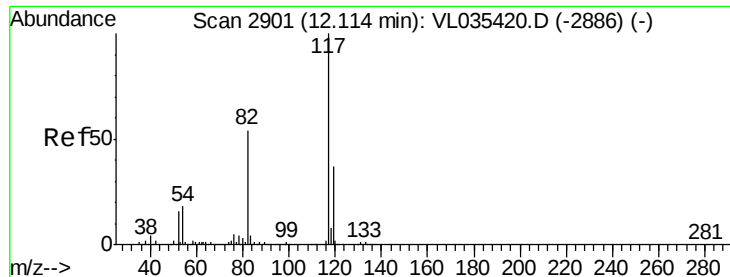
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#53
Toluene
Concen: 0.501 ppbv
RT: 9.81 min Scan# 2185
Delta R.T. -0.01 min
Lab File: VL035473.D
Acq: 20 Aug 2020 13:47

Tgt Ion: 91 Resp: 217321
Ion Ratio Lower Upper
91 100
92 59.8 49.1 73.7





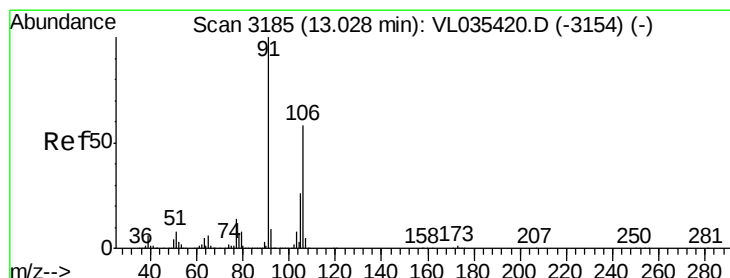
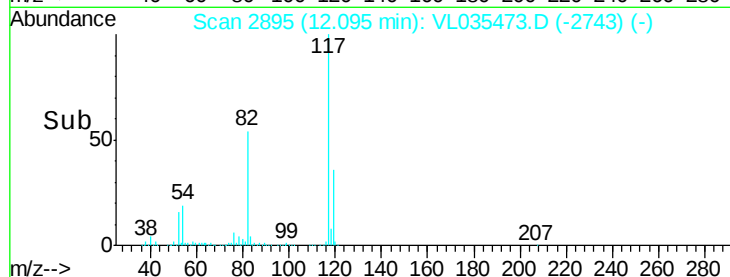
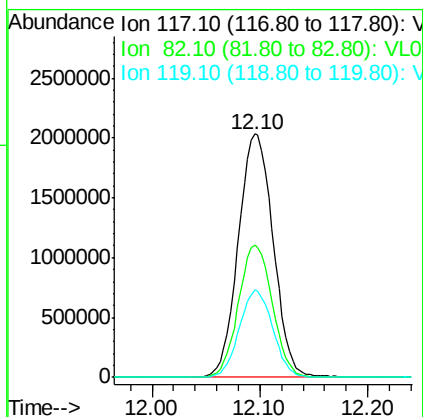
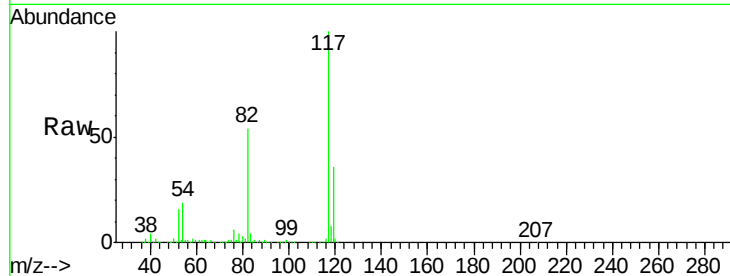
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL035473.D
Acq: 20 Aug 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
SSMP-1DL

Tot Ion:117 Resp: 4576549
Ion Ratio Lower Upper
117 100
82 53.4 57.4 86.0#
119 34.7 28.4 42.6

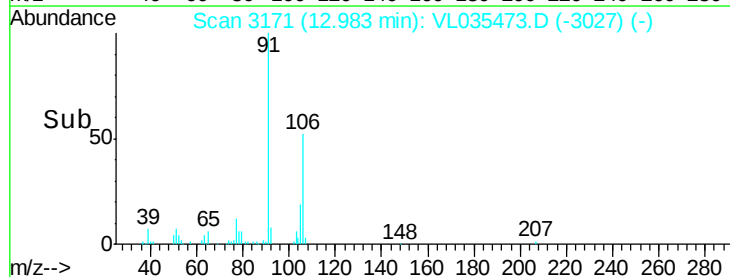
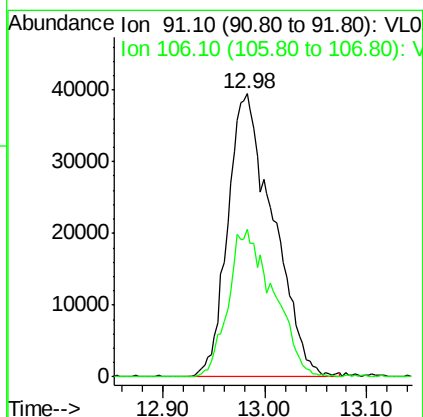
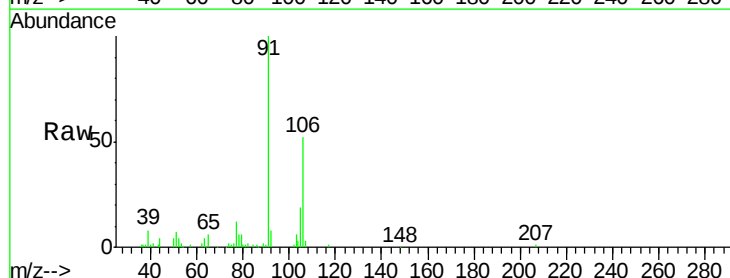
Manual Integrations
APPROVED

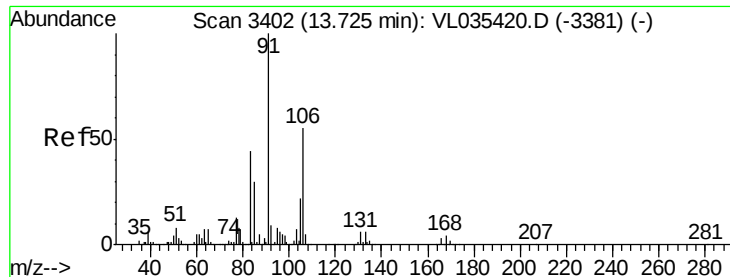
MMDadoda
8/21/2020 11:24:11 AM



#59
m/p-Xylene
Concen: 0.261 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. -0.04 min
Lab File: VL035473.D
Acq: 20 Aug 2020 13:47

Tgt Ion: 91 Resp: 122043
Ion Ratio Lower Upper
91 100
106 0.0 34.0 51.0#





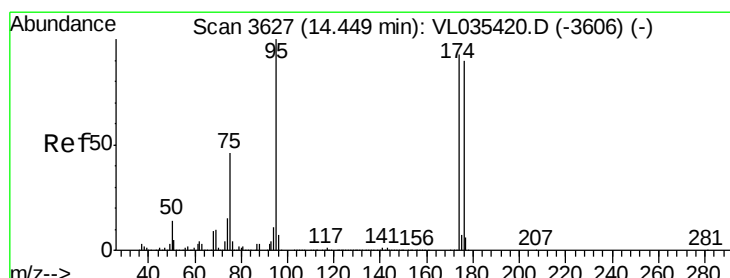
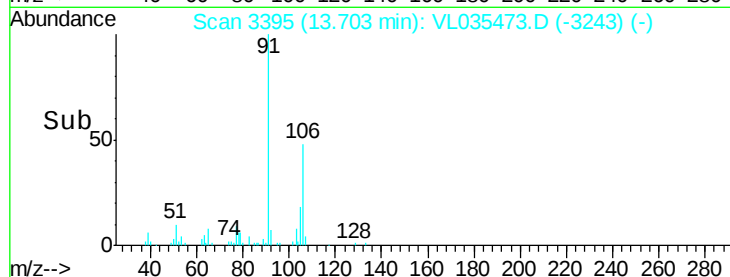
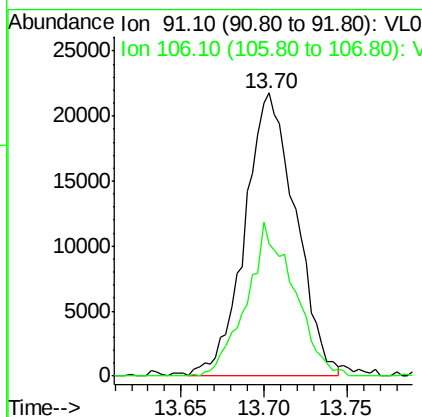
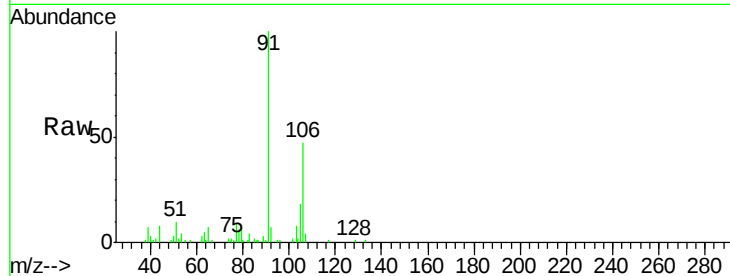
#60
o-Xylene
Concen: 0.102 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.01 min
Lab File: VL035473.D
Acq: 20 Aug 2020 13:47

Instrument :
MSVOA_L
ClientSampled :
SSMP-1DL

Tot Ion: 91 Resp: 46397
Ion Ratio Lower Upper
91 100
106 50.5 21.8 65.3

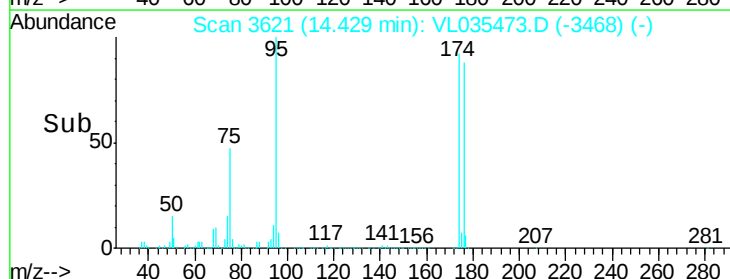
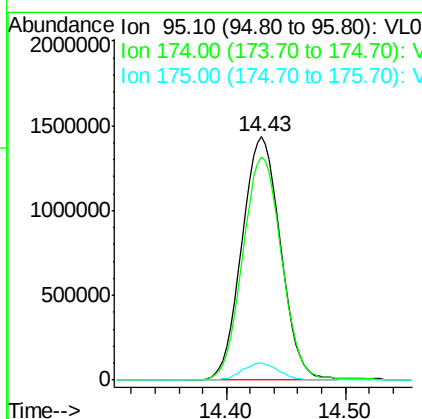
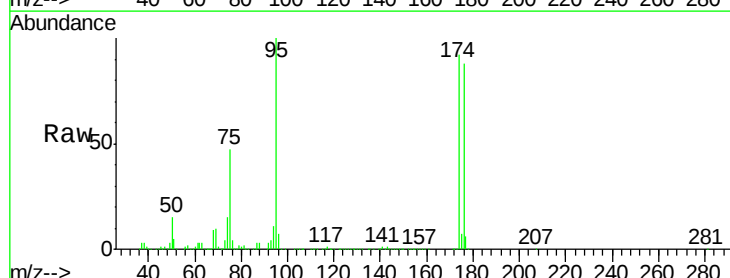
Manual Integrations
APPROVED

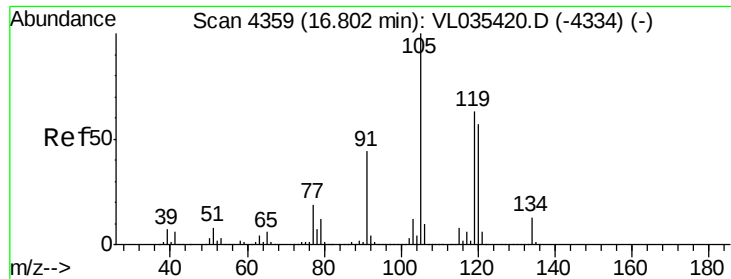
MMDadoda
8/21/2020 11:24:11 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.093 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL035473.D
Acq: 20 Aug 2020 13:47

Tgt Ion: 95 Resp: 3233638
Ion Ratio Lower Upper
95 100
174 93.2 44.0 66.0#
175 6.8 3.2 4.8#





#74
 1,2,4-Trimethylbenzene
 Concen: 0.284 ppbv
 RT: 16.78 min Scan# 4352
 Delta R.T. -0.01 min
 Lab File: VL035473.D
 Acq: 20 Aug 2020 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-1DL

Tot Ion:	105	Resp:	170949
Ion Ratio	Lower	Upper	
105	100		
120	45.5	37.8	56.8
91	11.0	40.0	60.0#
77	13.1	18.8	28.2#

Manual Integrations
 APPROVED

MMDadoda
 8/21/2020 11:24:11 AM

