

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051420\
 Data File : VL035024.D
 Acq On : 14 May 2020 17:44
 Operator : SY/AP
 Sample : L2566-01DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-6DL

Manual Integrations
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 5/18/2020 1:34:53 PM

Quant Time: May 18 09:06:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1236843	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2847917	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2684865	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.44	95	2298059	10.57	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.97	41	19150	0.313	ppbv	91
10) Heptane	8.11	43	37288	0.243	ppbv	94
13) Ethanol	3.57	45	110629	5.471	ppbv	98
15) Acetone	3.82	43	147723m	0.903	ppbv	
19) Isopropyl Alcohol	3.94	45	312774	2.868	ppbv #	98
26) Hexane	5.67	57	73954	0.621	ppbv #	76
30) Cyclohexane	7.12	84	28239m	0.307	ppbv	
31) cis-1,2-Dichloroethene	5.53	61	97222	0.837	ppbv	96
38) Trichloroethene	7.83	130	153910	1.692	ppbv	94
44) 2,2,4-Trimethylpentane	7.86	57	547447	1.311	ppbv	97
52) Tetrachloroethene	11.23	164	406474	4.869	ppbv	97
53) Toluene	9.81	91	995477	3.999	ppbv	99
58) Ethyl Benzene	12.72	91	75801	0.228	ppbv	92
59) m/p-Xylene	12.98	91	213310m	0.730	ppbv	
60) o-Xylene	13.72	91	59588m	0.207	ppbv	

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

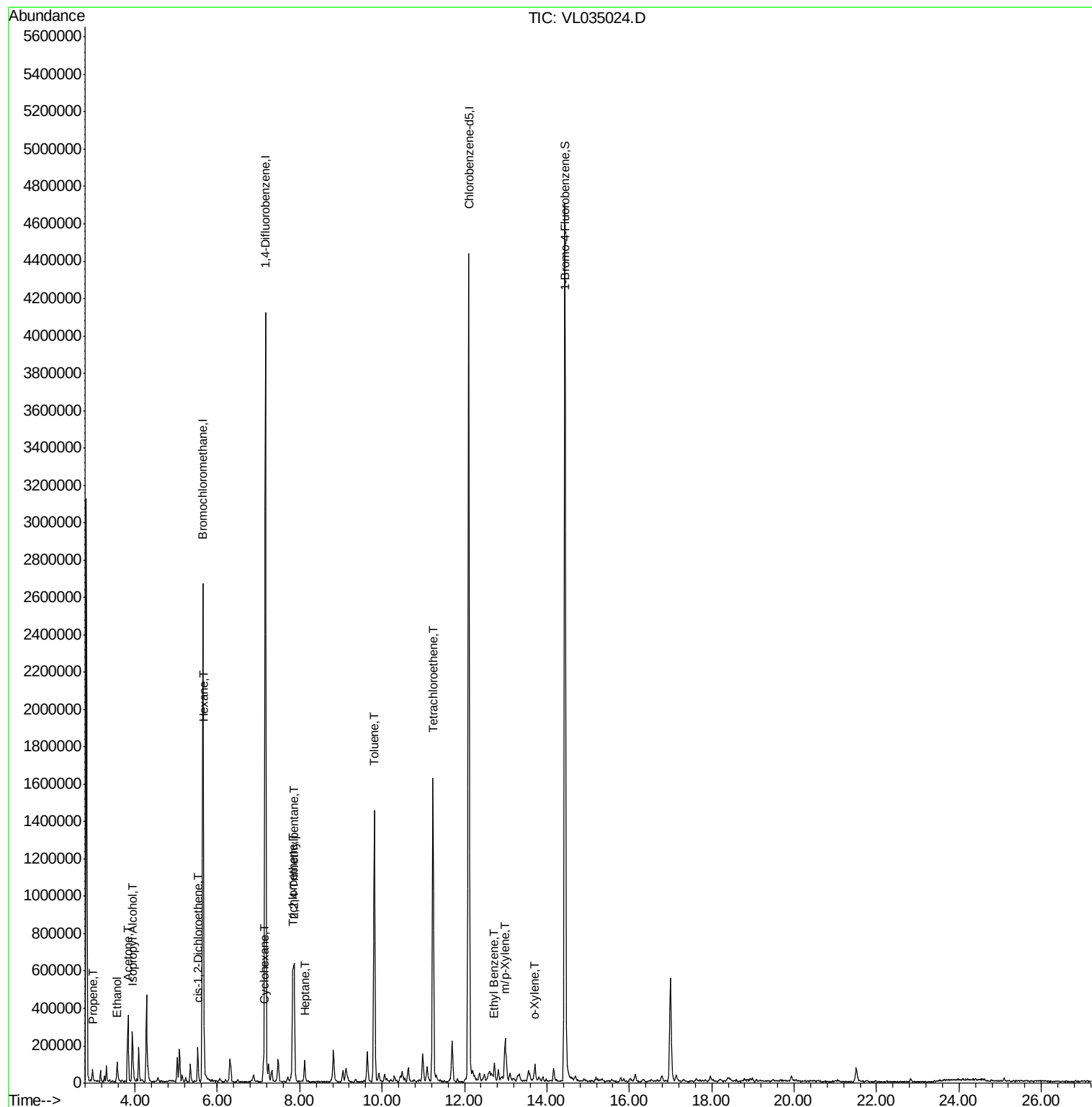
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051420\
Data File : VL035024.D
Acq On : 14 May 2020 17:44
Operator : SY/AP
Sample : L2566-01DL 40X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

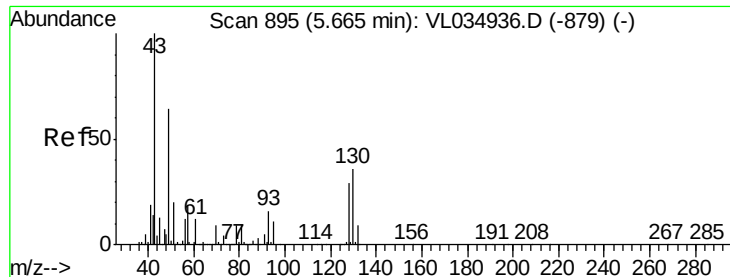
Instrument :
MSVOA_L
ClientSampleId :
SG-6DL

Manual Integrations
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Quant Time: May 18 09:06:38 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





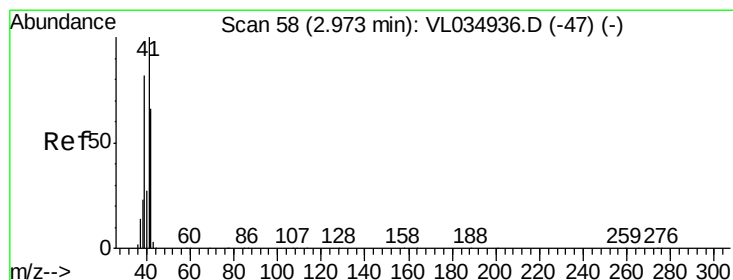
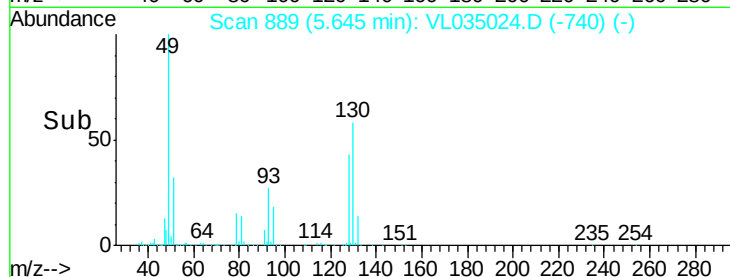
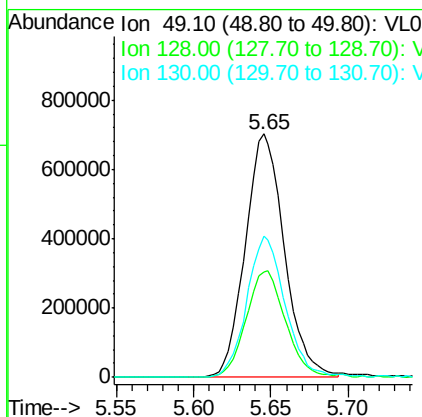
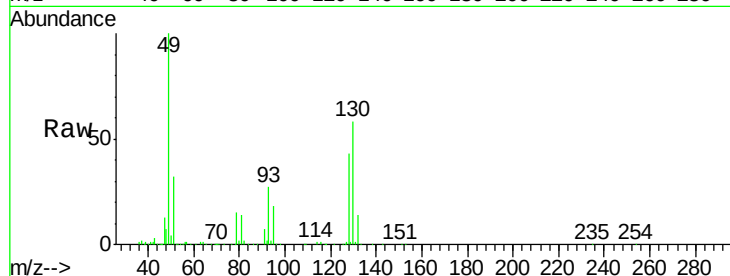
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 889
 Delta R.T. -0.02 min
 Lab File: VL035024.D
 Acq: 14 May 2020 17:44

Instrument :
 MSVOA_L
 ClientSampled :
 SG-6DL

Tot Ion: 49 Resp: 1236843
 Ion Ratio Lower Upper
 49 100
 128 44.5 22.1 66.5
 130 57.7 29.1 87.3

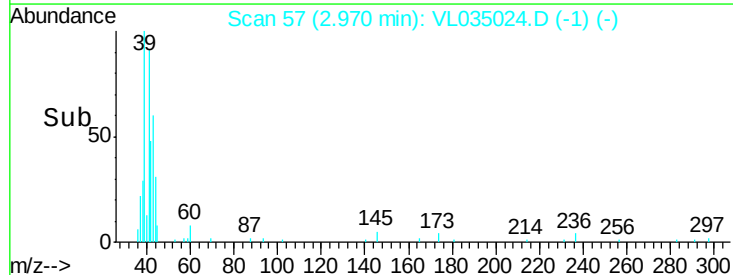
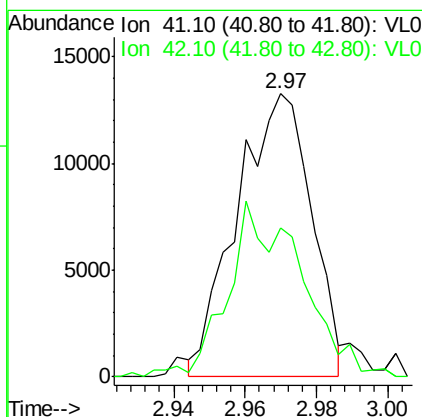
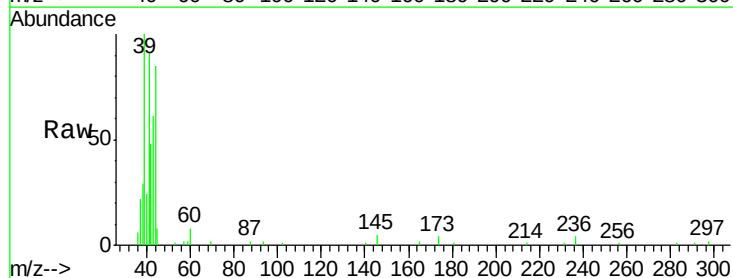
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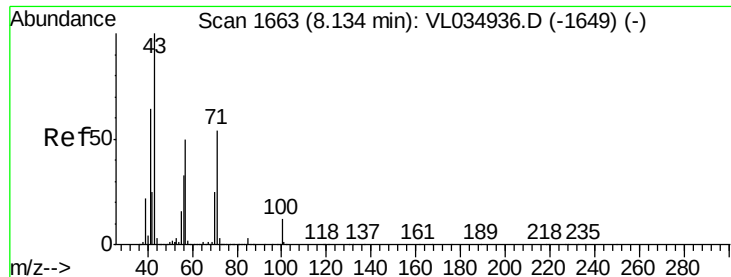
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#9
 Propene
 Concen: 0.313 ppbv
 RT: 2.97 min Scan# 57
 Delta R.T. -0.00 min
 Lab File: VL035024.D
 Acq: 14 May 2020 17:44

Tgt Ion: 41 Resp: 19150
 Ion Ratio Lower Upper
 41 100
 42 61.1 54.5 81.7





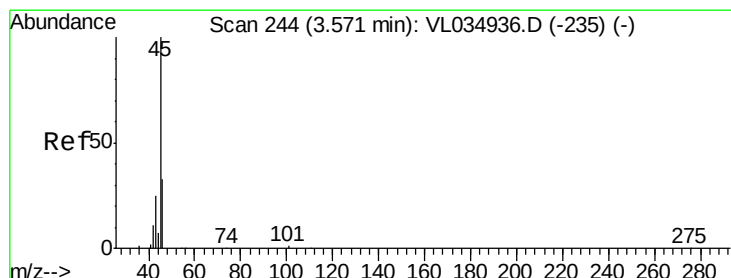
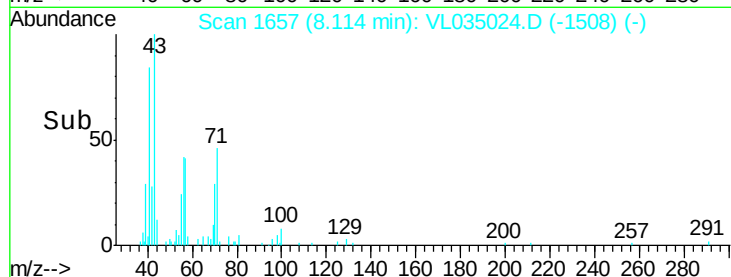
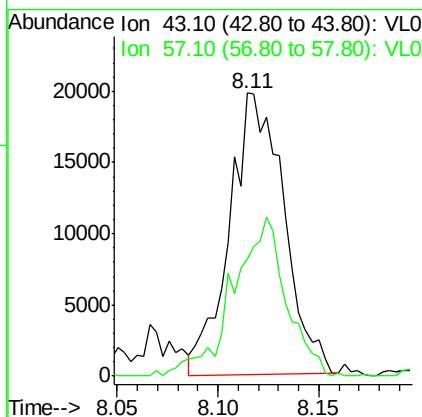
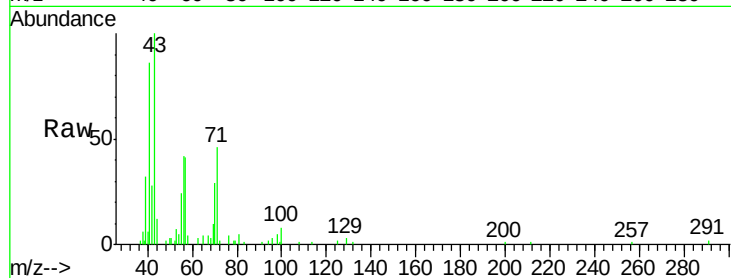
#10
Heptane
Concen: 0.243 ppbv
RT: 8.11 min Scan# 1657
Delta R.T. -0.02 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Instrument :
MSVOA_L
ClientSampleId :
SG-6DL

Tot Ion: 43 Resp: 37288
Ion Ratio Lower Upper
43 100
57 55.3 41.1 61.7

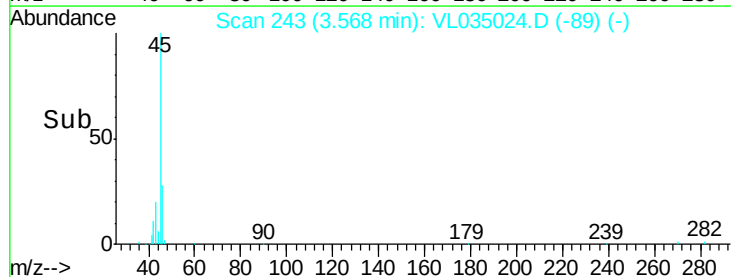
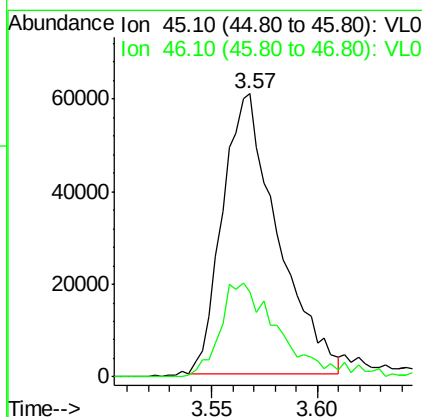
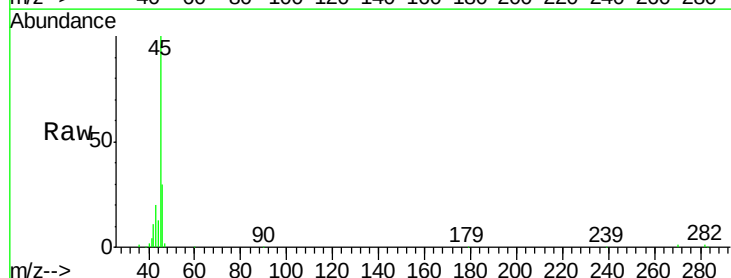
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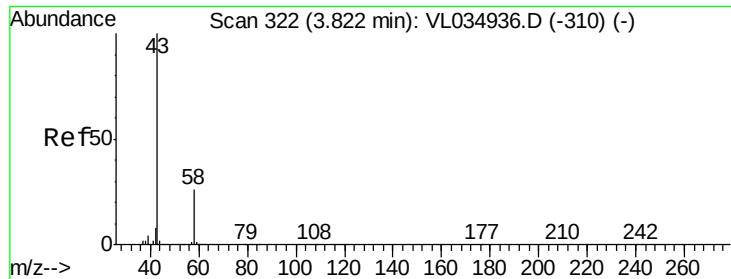
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#13
Ethanol
Concen: 5.471 ppbv
RT: 3.57 min Scan# 243
Delta R.T. -0.00 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Tgt Ion: 45 Resp: 110629
Ion Ratio Lower Upper
45 100
46 37.2 14.3 57.3





#15

Acetone

Concen: 0.903 ppbv m

RT: 3.82 min Scan# 320

Delta R.T. -0.01 min

Lab File: VL035024.D

Acq: 14 May 2020 17:44

Instrument :

MSVOA_L

ClientSampled :

SG-6DL

Tot Ion: 43 Resp: 147723

Ion Ratio Lower Upper

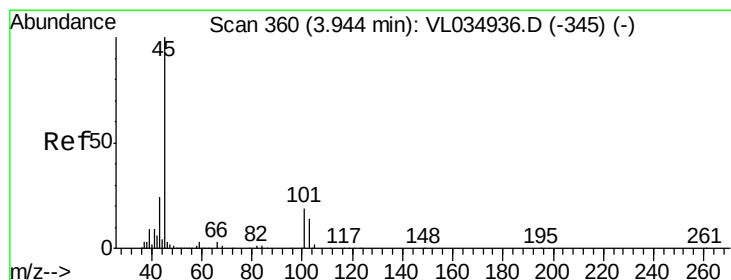
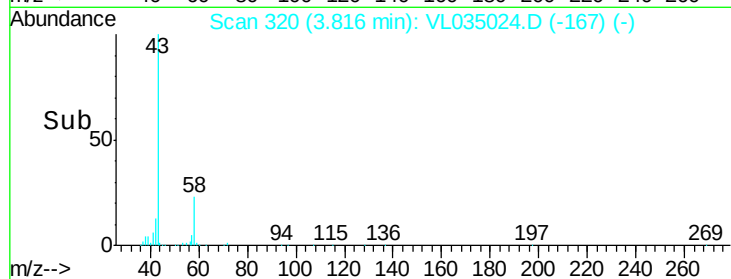
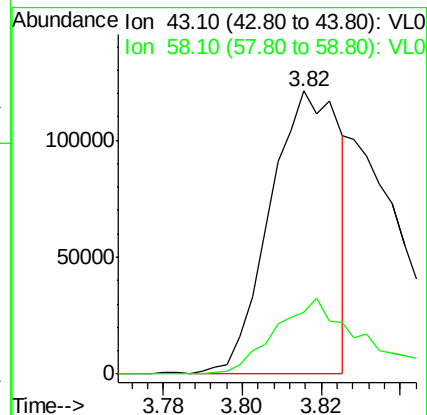
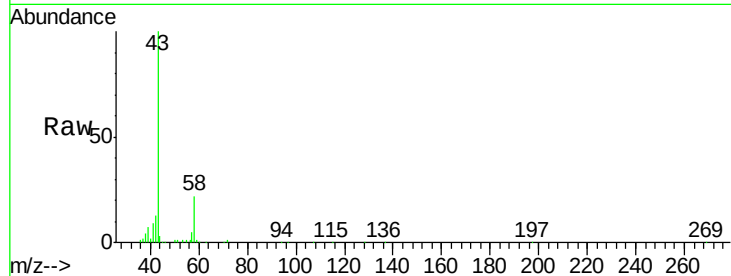
43 100

58 34.3 21.7 32.5#

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#19

Isopropyl Alcohol

Concen: 2.868 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.01 min

Lab File: VL035024.D

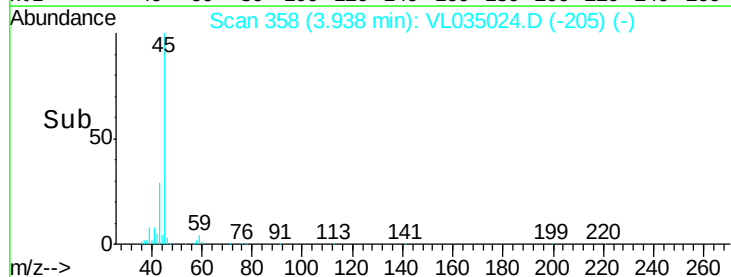
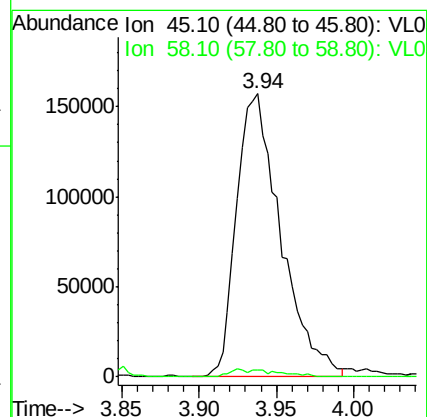
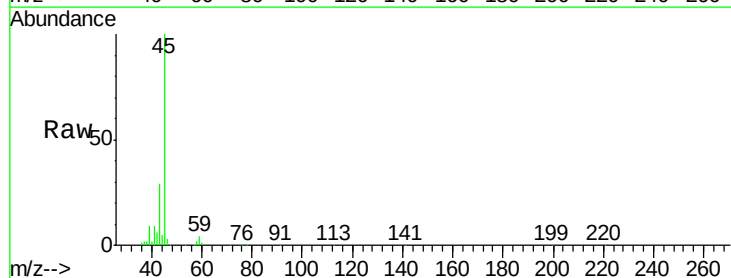
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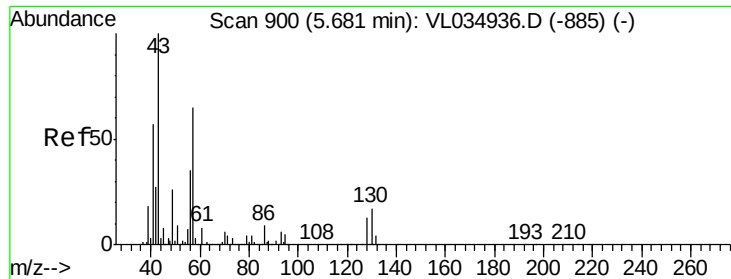
Tgt Ion: 45 Resp: 312774

Ion Ratio Lower Upper

45 100

58 3.0 1.7 2.5#





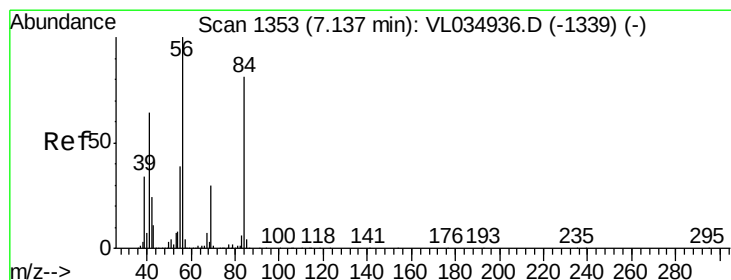
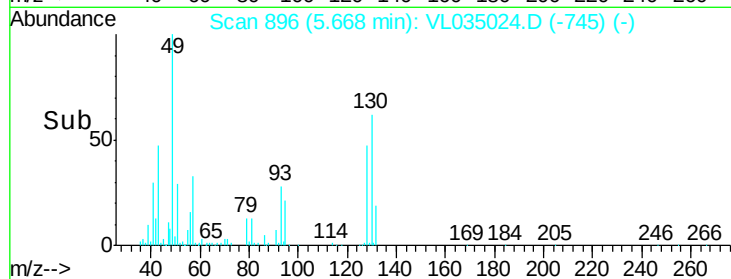
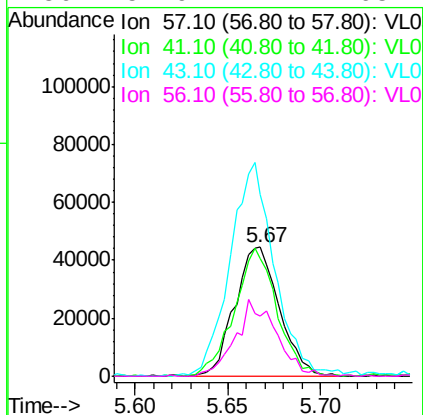
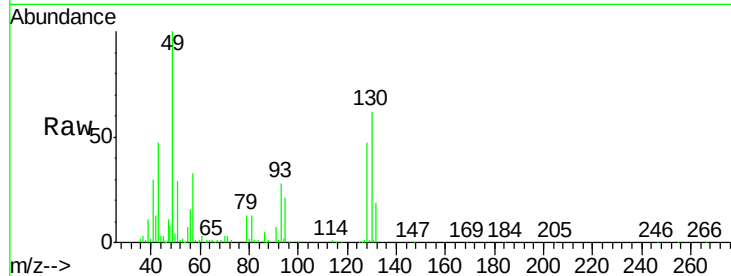
#26
Hexane
Concen: 0.621 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Instrument :
MSVOA_L
ClientSampleId :
SG-6DL

Tot Ion	57	Resp	73954
Ion	Ratio	Lower	Upper
57	100		
41	95.9	72.7	109.1
43	168.7	182.1	273.1#
56	54.9	42.2	63.2

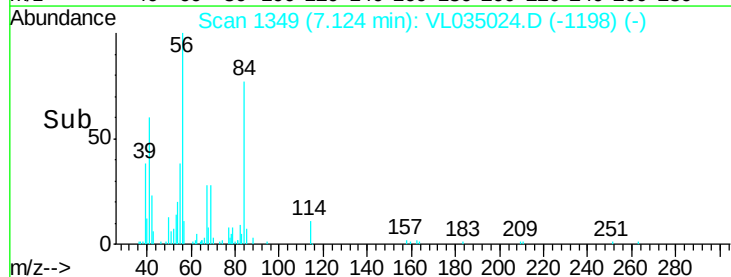
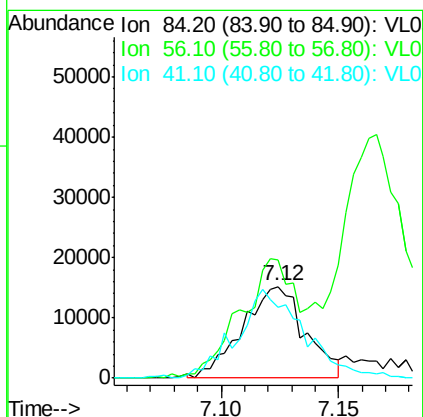
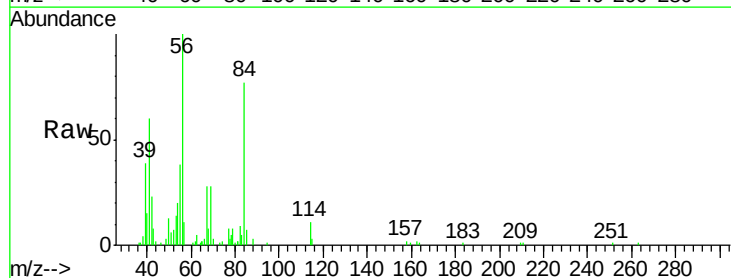
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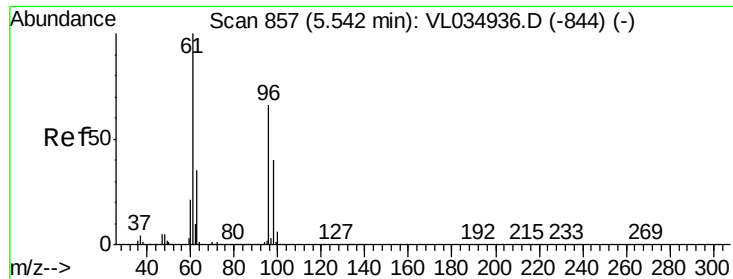
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#30
Cyclohexane
Concen: 0.307 ppbv m
RT: 7.12 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Tgt Ion	84	Resp	28239
Ion	Ratio	Lower	Upper
84	100		
56	111.4	111.4	167.2#
41	103.7	66.7	100.1#





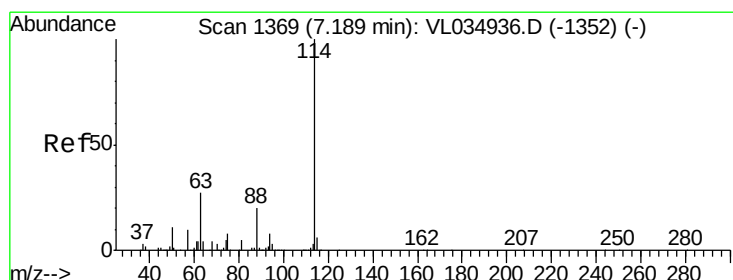
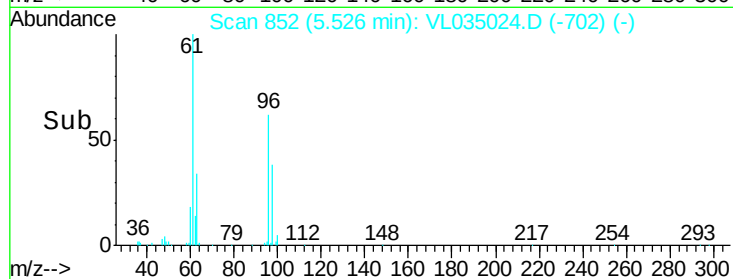
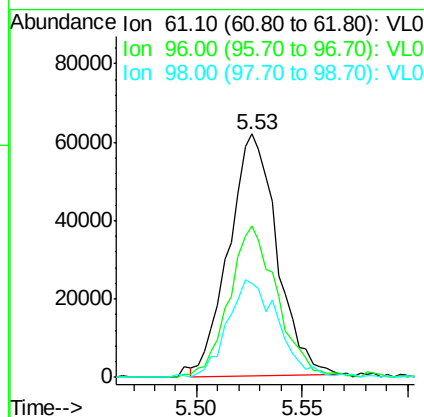
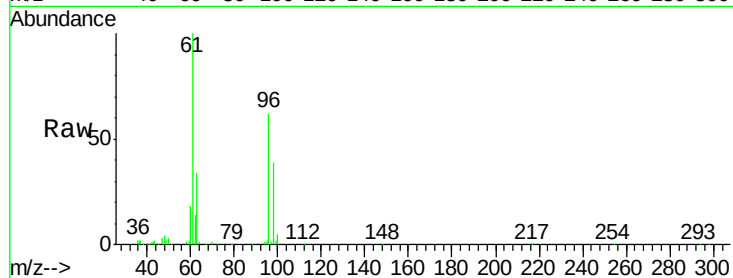
#31
 cis-1,2-Dichloroethene
 Concen: 0.837 ppbv
 RT: 5.53 min Scan# 852
 Delta R.T. -0.02 min
 Lab File: VL035024.D
 Acq: 14 May 2020 17:44

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-6DL

Tot Ion:	61	Resp:	97222
Ion	Ratio	Lower	Upper
61	100		
96	62.2	53.0	79.6
98	39.3	32.2	48.2

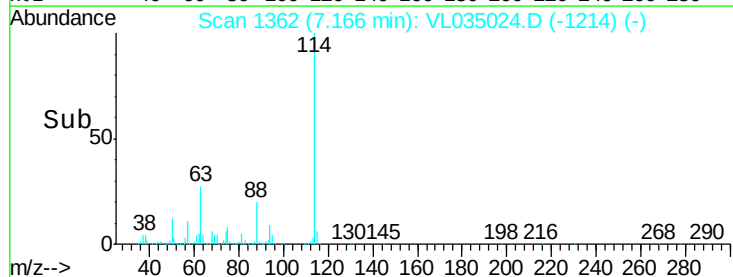
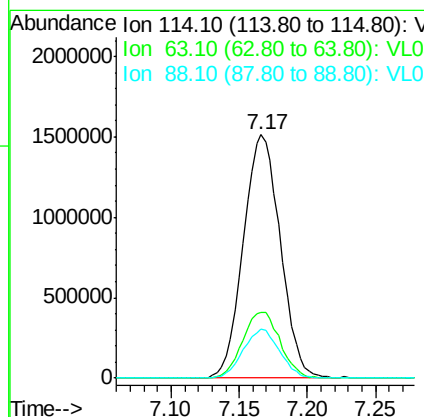
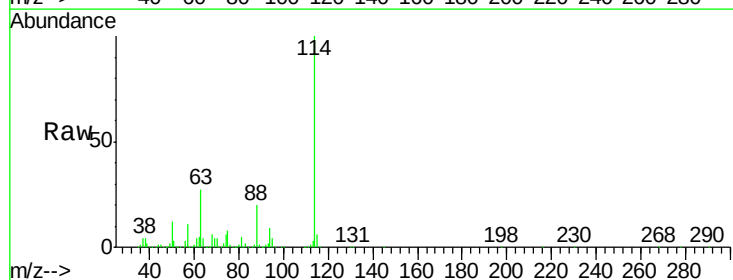
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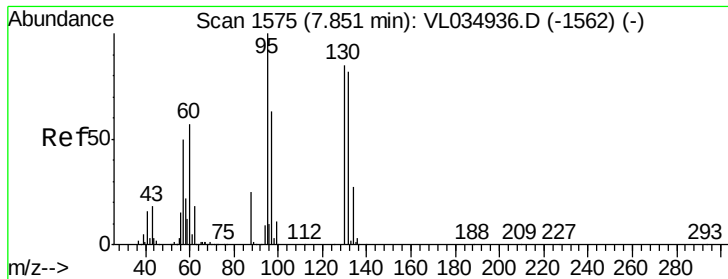
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.02 min
 Lab File: VL035024.D
 Acq: 14 May 2020 17:44

Tgt Ion:	114	Resp:	2847917
Ion	Ratio	Lower	Upper
114	100		
63	27.6	22.2	33.4
88	19.9	15.5	23.3





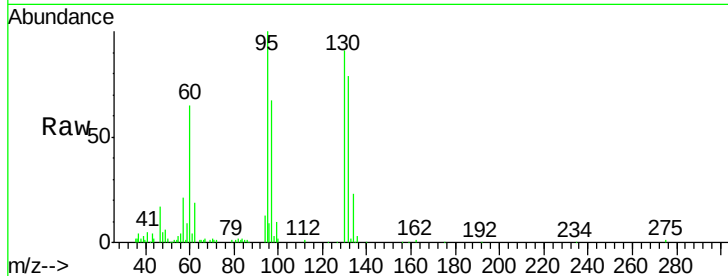
#38
 Trichloroethene
 Concen: 1.692 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: VL035024.D
 Acq: 14 May 2020 17:44

Instrument :
 MSVOA_L
 ClientSampled :
 SG-6DL

Tot Ion	Ratio	Resp	Lower	Upper
130	100	153910		
95	108.1	93.4	140.0	
132	86.2	76.4	114.6	
97	73.2	58.5	87.7	

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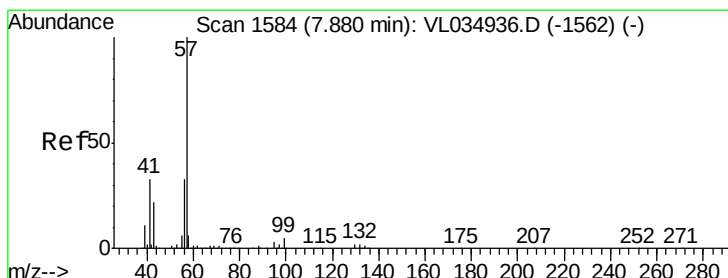
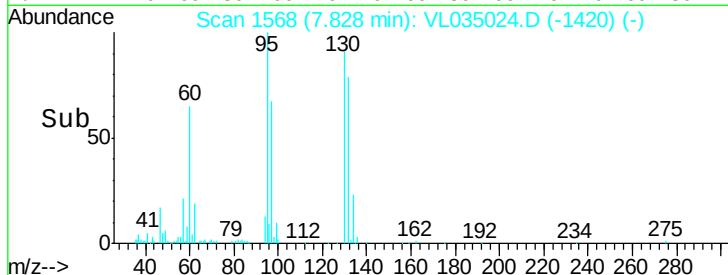
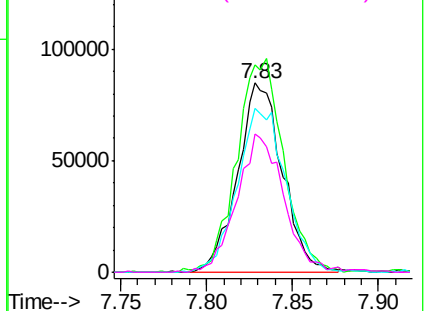


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

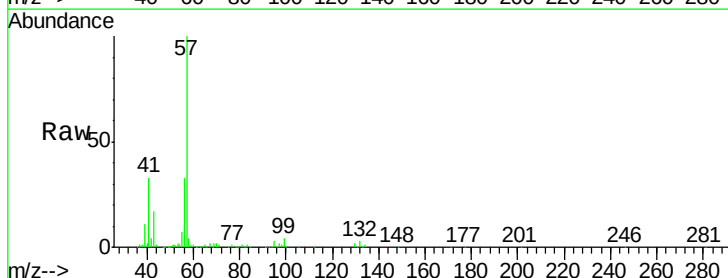
Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#44
 2,2,4-Trimethylpentane
 Concen: 1.311 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. -0.02 min
 Lab File: VL035024.D
 Acq: 14 May 2020 17:44

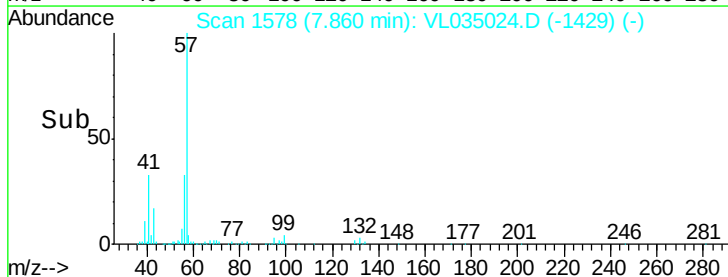
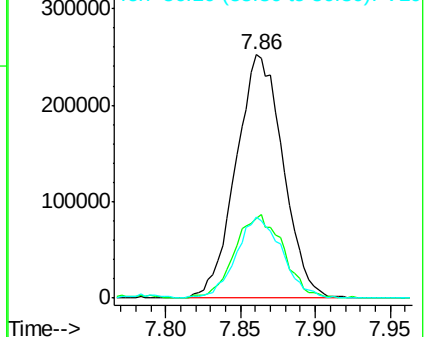
Tgt Ion	Ratio	Resp	Lower	Upper
57	100	547447		
41	35.5	26.4	39.6	
56	32.9	25.5	38.3	

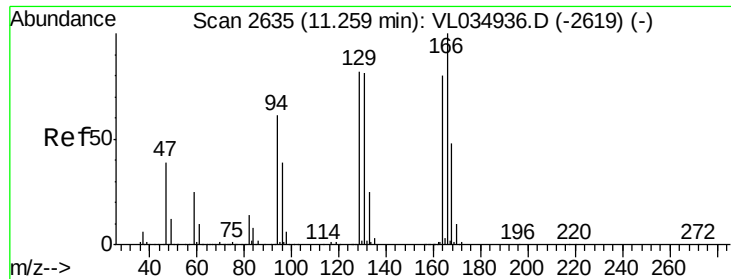


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#52

Tetrachloroethene

Concen: 4.869 ppbv

RT: 11.23 min Scan# 2627

Delta R.T. -0.03 min

Lab File: VL035024.D

Acq: 14 May 2020 17:44

Instrument :

MSVOA_L

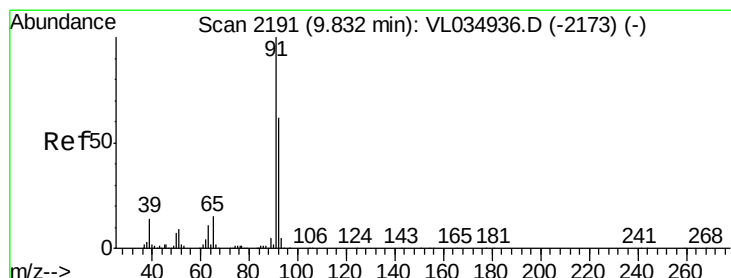
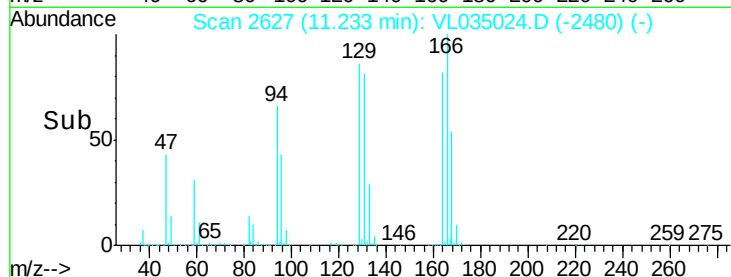
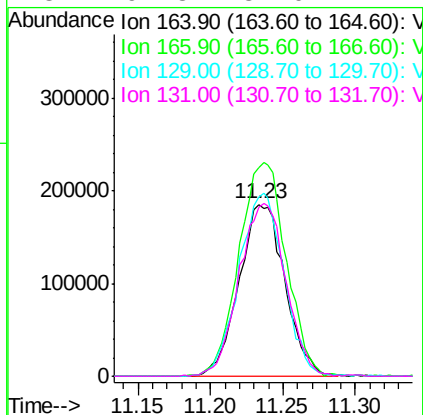
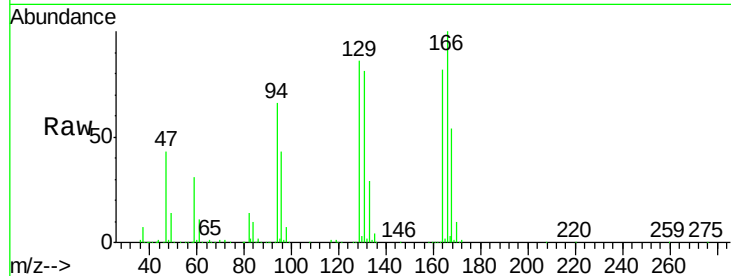
ClientSampleId :

SG-6DL

Tot Ion:	164	Resp:	406474
Ion	Ratio	Lower	Upper
164	100		
166	121.0	100.7	151.1
129	104.0	83.0	124.4
131	97.8	81.0	121.4

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#53

Toluene

Concen: 3.999 ppbv

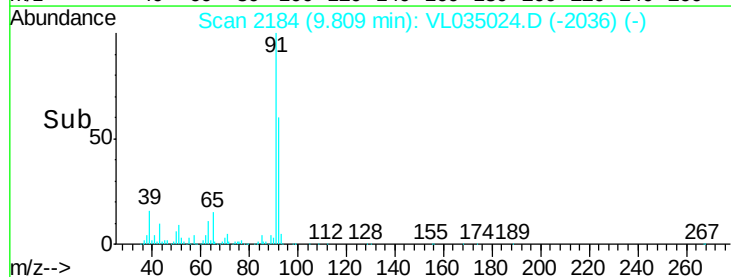
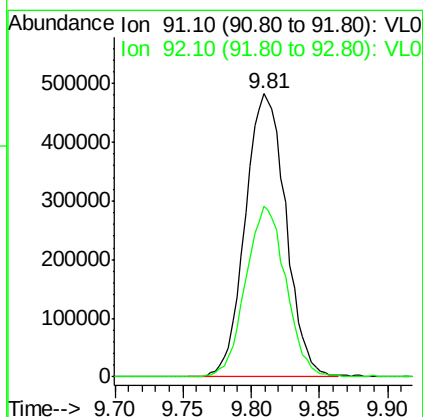
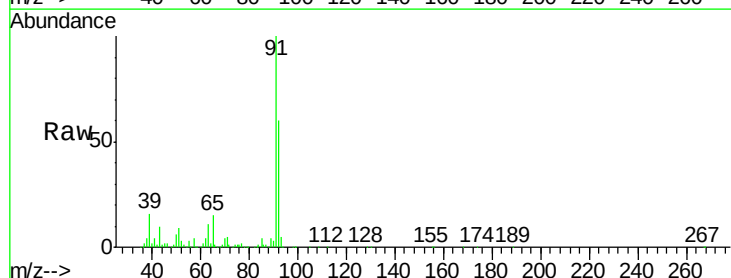
RT: 9.81 min Scan# 2184

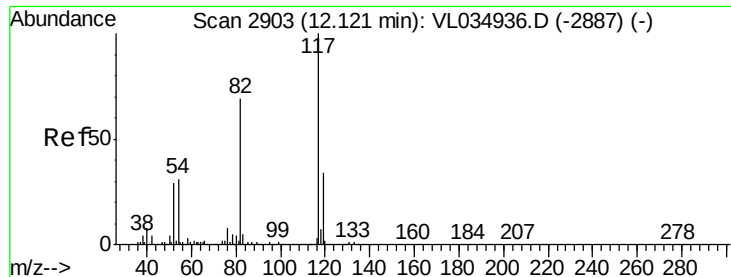
Delta R.T. -0.02 min

Lab File: VL035024.D

Acq: 14 May 2020 17:44

Tgt Ion:	91	Resp:	995477
Ion	Ratio	Lower	Upper
91	100		
92	59.7	48.6	73.0





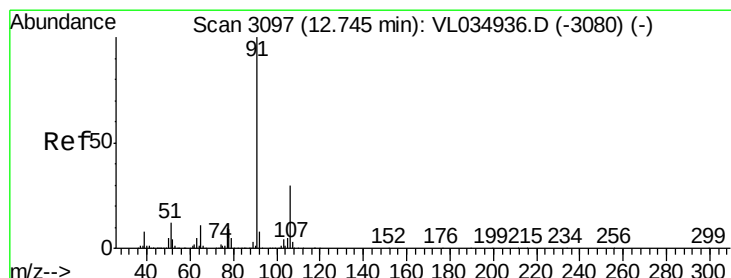
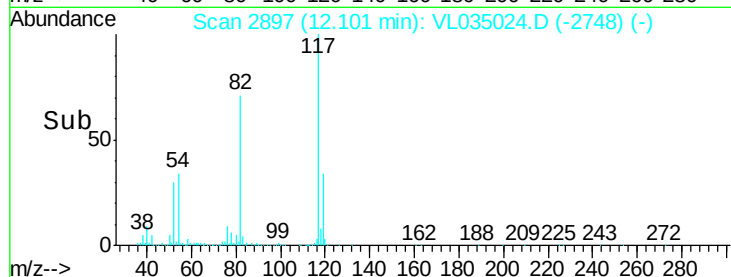
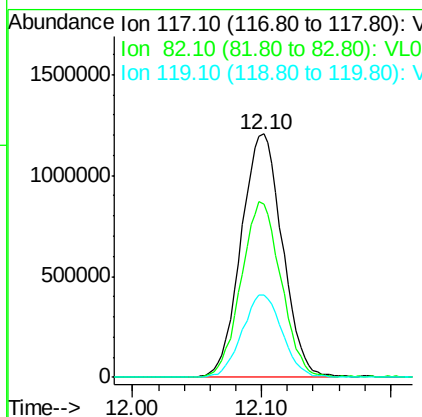
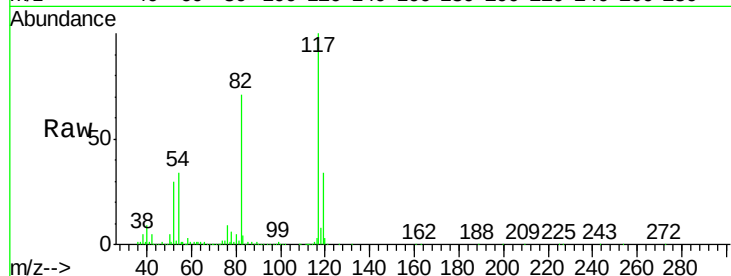
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.02 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Instrument :
MSVOA_L
ClientSampled :
SG-6DL

Tot Ion:117 Resp: 2684865
Ion Ratio Lower Upper
117 100
82 70.2 53.1 79.7
119 33.1 26.7 40.1

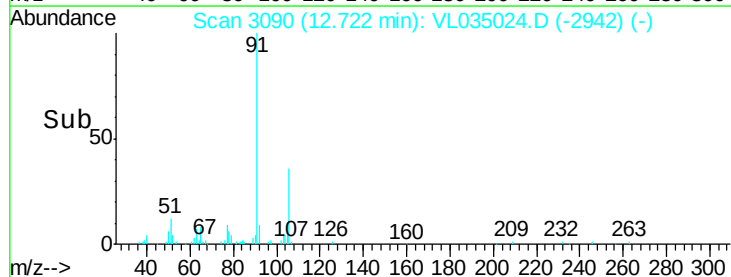
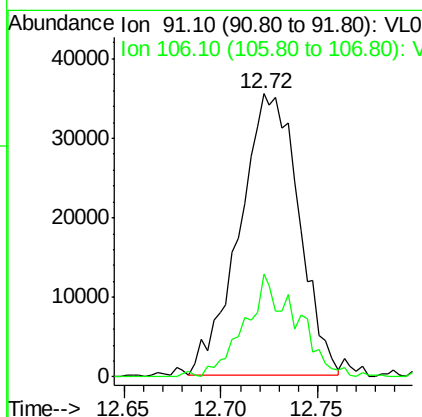
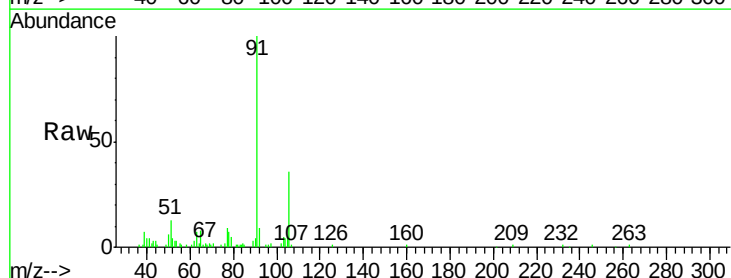
Manual Integrations
APPROVED

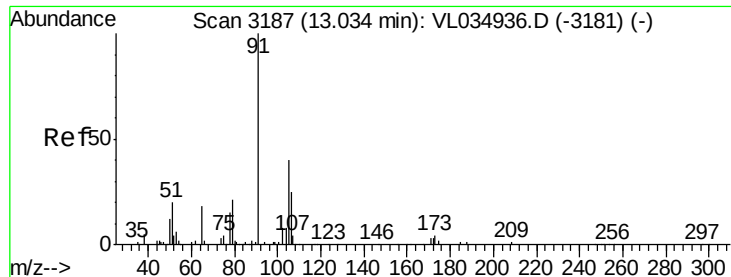
MMDadoda
5/18/2020 1:34:53 PM



#58
Ethyl Benzene
Concen: 0.228 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. -0.02 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Tgt Ion: 91 Resp: 75801
Ion Ratio Lower Upper
91 100
106 34.6 24.2 36.4





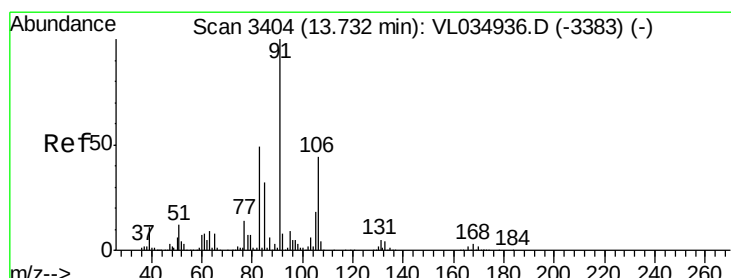
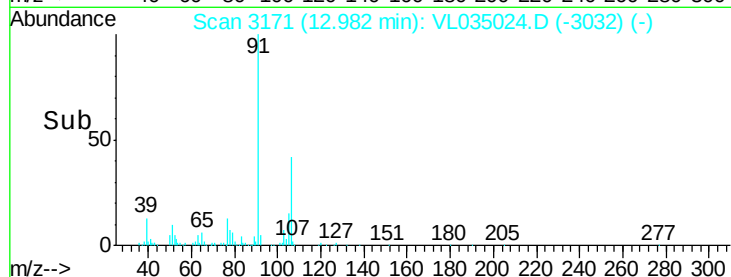
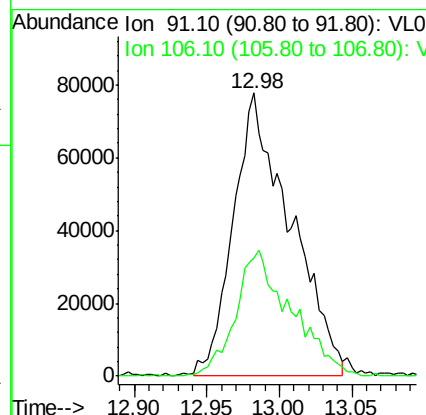
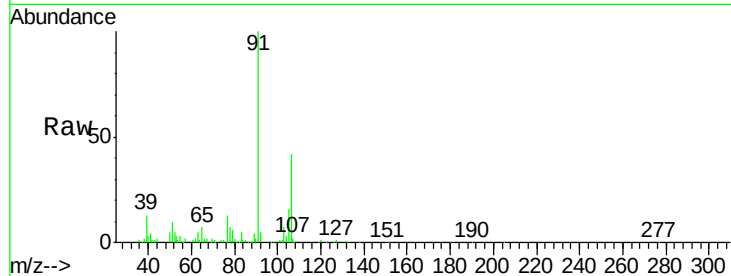
#59
m/p-Xylene
Concen: 0.730 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. -0.05 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Instrument :
MSVOA_L
ClientSampled :
SG-6DL

Tot Ion: 91 Resp: 213310
Ion Ratio Lower Upper
91 100
106 0.0 66.0 99.0#

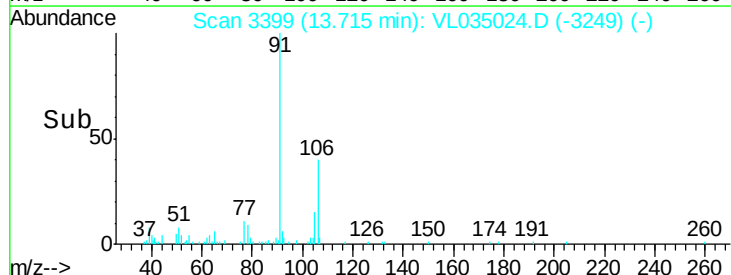
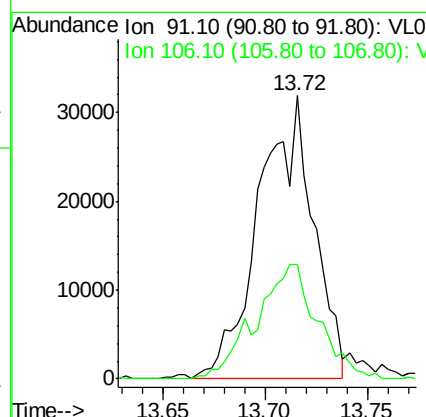
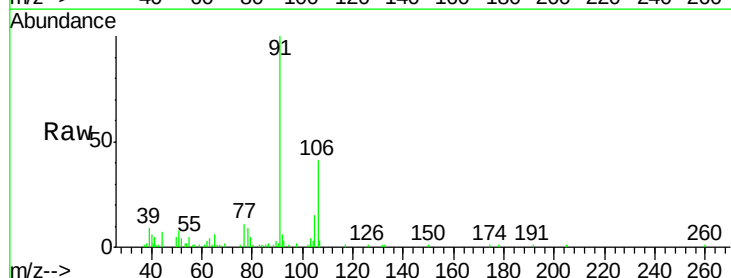
Manual Integrations
APPROVED

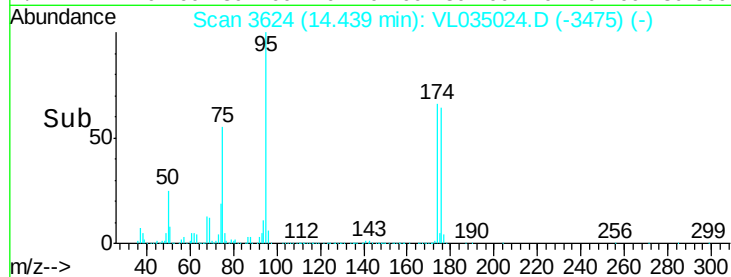
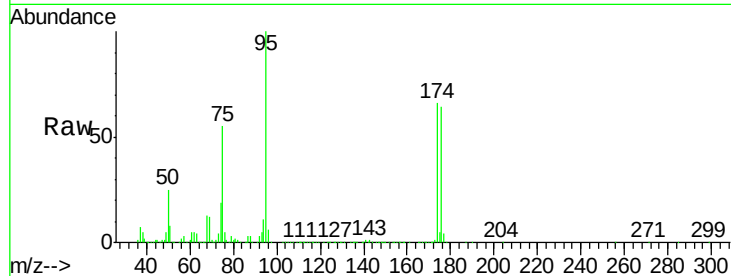
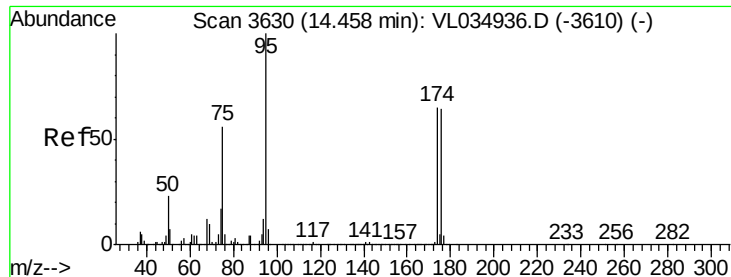
MMDadoda
5/18/2020 1:34:53 PM



#60
o-Xylene
Concen: 0.207 ppbv m
RT: 13.72 min Scan# 3399
Delta R.T. -0.02 min
Lab File: VL035024.D
Acq: 14 May 2020 17:44

Tgt Ion: 91 Resp: 59588
Ion Ratio Lower Upper
91 100
106 0.0 21.9 65.5#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.574 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.02 min

Lab File: VL035024.D

Acq: 14 May 2020 17:44

Tot Ion: 95 Resp: 2298059

Ion Ratio Lower Upper

95 100

174 65.1 51.5 77.3

175 4.8 3.8 5.8

Instrument :

MSVOA_L

ClientSampleId :

SG-6DL

Manual Integrations
APPROVED

MMDadoda
5/18/2020 1:34:53 PM

