

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051220\
 Data File : VL035008.D
 Acq On : 13 May 2020 4:39
 Operator : SY/AP
 Sample : L2566-04DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2DL

Manual Integrations
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Quant Time: May 18 10:53:13 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	919499	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.19	114	2182883	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.20	117	1949037	10.00	ppbv	0.08

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.49	95	1485686	9.42	ppbv	0.04	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.21	62	24358	0.415	ppbv	91
9) Propene	2.96	41	269519	5.916	ppbv	86
13) Ethanol	3.58	45	18171	1.209	ppbv	88
18) 1,1-Dichloroethene	4.25	96	251125	6.041	ppbv	100
19) Isopropyl Alcohol	3.95	45	13410m	0.165	ppbv	
22) trans-1,2-Dichloroethene	4.85	96	391226	9.501	ppbv	97
29) Chloroform	5.73	83	4410710	30.452	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	8514825	98.582	ppbv #	81
32) 1,1,1-Trichloroethane	6.50	97	52154m	0.399	ppbv	
36) Benzene	6.90	78	271633m	1.509	ppbv	
38) Trichloroethene	7.93	130	40271655	577.607	ppbv #	86
47) 1,1,2-Trichloroethane	9.51	97	122555m	1.610	ppbv	
52) Tetrachloroethene	11.43	164	92222877m	1441.119	ppbv	
53) Toluene	9.85	91	227236m	1.191	ppbv	
62) Isopropylbenzene	14.74	105	108865m	0.348	ppbv	

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

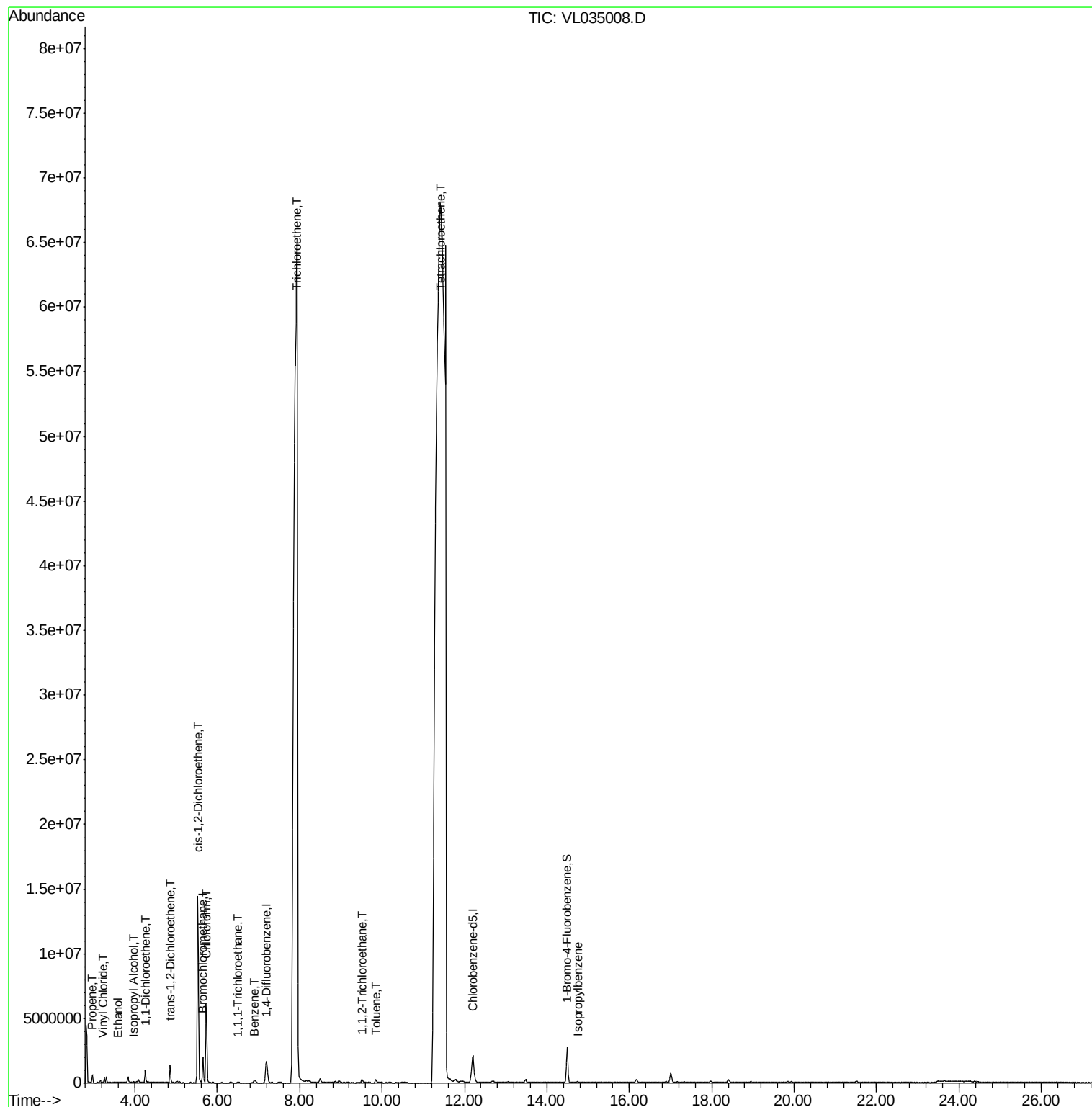
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051220\
Data File : VL035008.D
Acq On : 13 May 2020 4:39
Operator : SY/AP
Sample : L2566-04DL 40X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

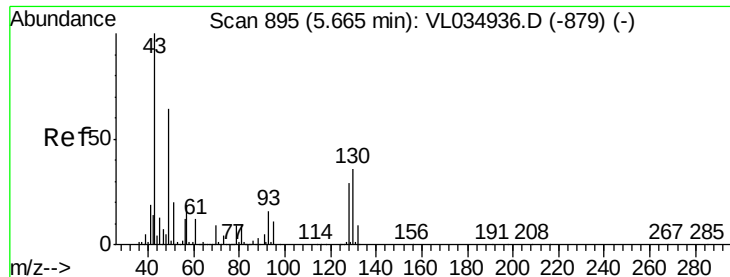
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

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Quant Time: May 18 10:53:13 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# 890

Delta R.T. -0.02 min

Lab File: VL035008.D

Acq: 13 May 2020 4:39

Instrument :

MSVOA_L

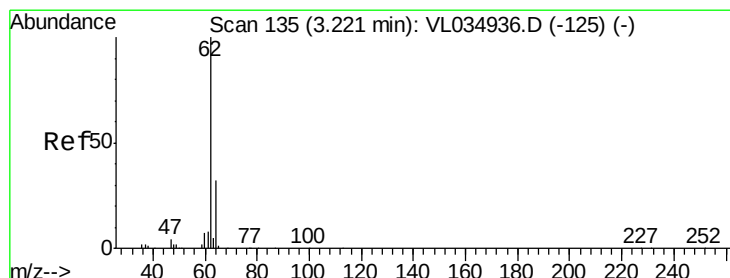
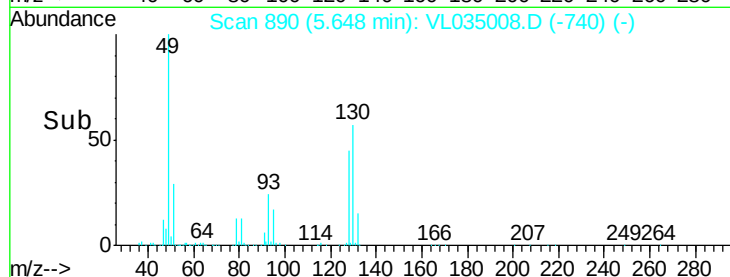
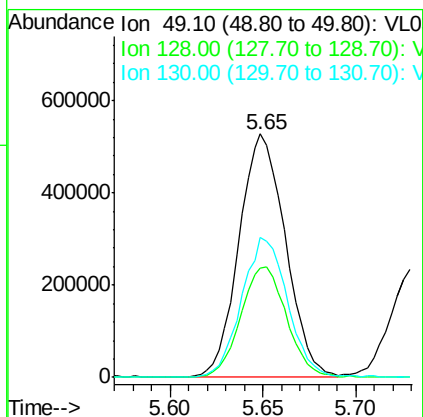
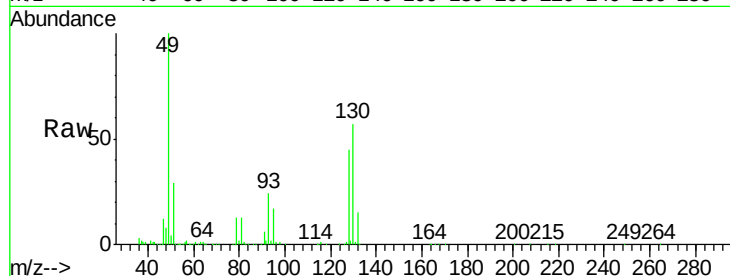
ClientSampled :

SG-2DL

Tot Ion:	49	Resp:	919499
Ion Ratio	Lower	Upper	
49	100		
128	45.3	22.1	66.5
130	57.4	29.1	87.3

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#5

Vinyl Chloride

Concen: 0.415 ppbv

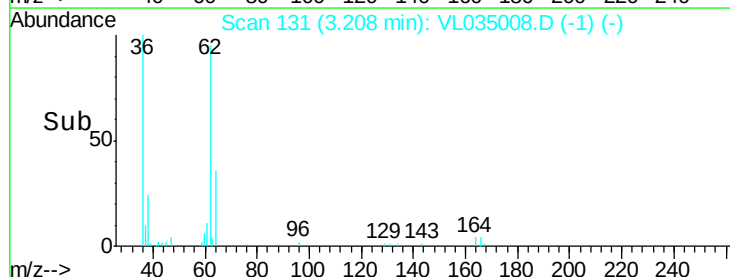
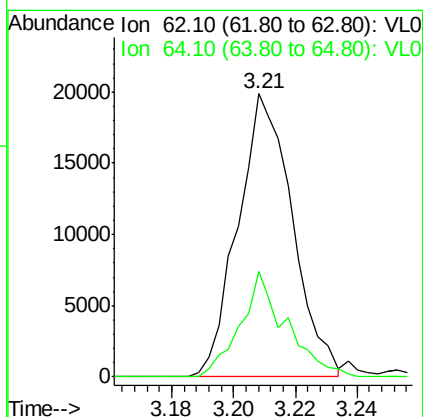
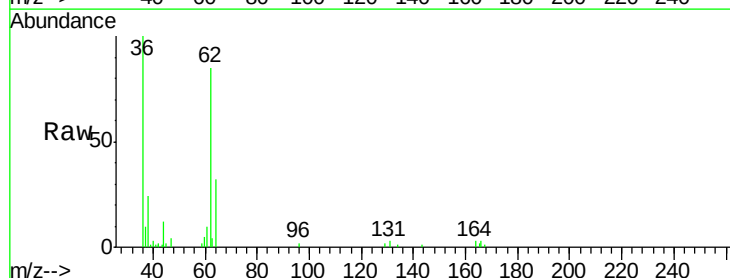
RT: 3.21 min Scan# 131

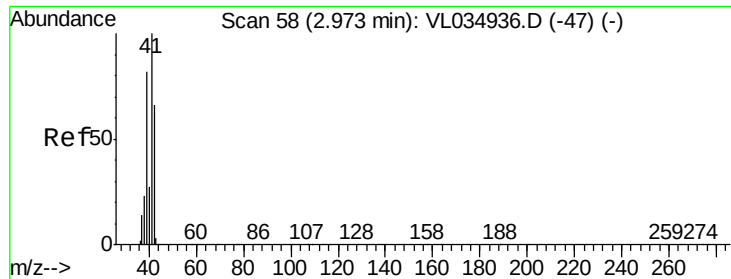
Delta R.T. -0.01 min

Lab File: VL035008.D

Acq: 13 May 2020 4:39

Tgt Ion:	62	Resp:	24358
Ion Ratio	Lower	Upper	
62	100		
64	37.2	25.7	38.5





#9

Propene

Concen: 5.916 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.01 min

Lab File: VL035008.D

Acq: 13 May 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

SG-2DL

Tot Ion: 41 Resp: 269519

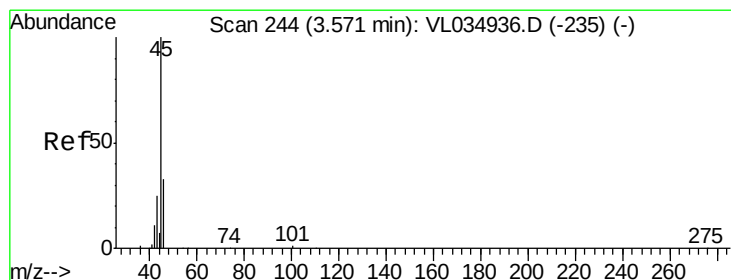
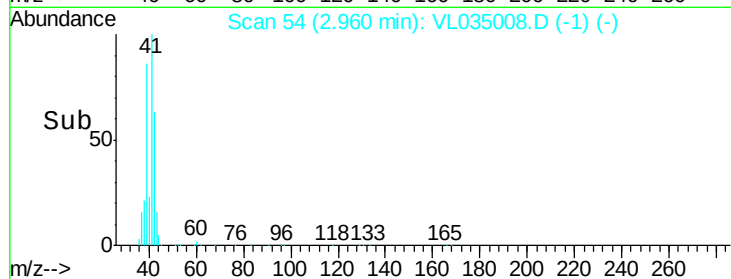
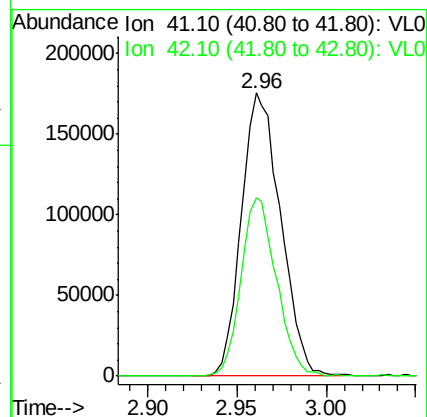
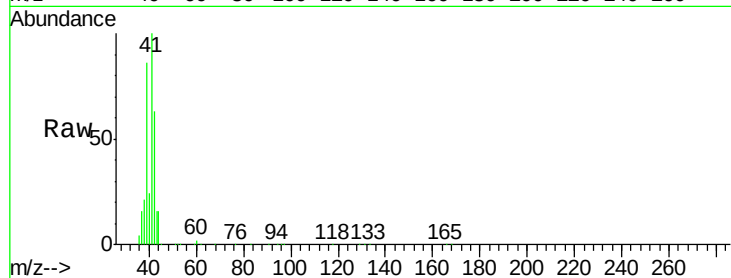
Ion Ratio Lower Upper

41 100

42 56.9 54.5 81.7

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#13

Ethanol

Concen: 1.209 ppbv

RT: 3.58 min Scan# 246

Delta R.T. 0.01 min

Lab File: VL035008.D

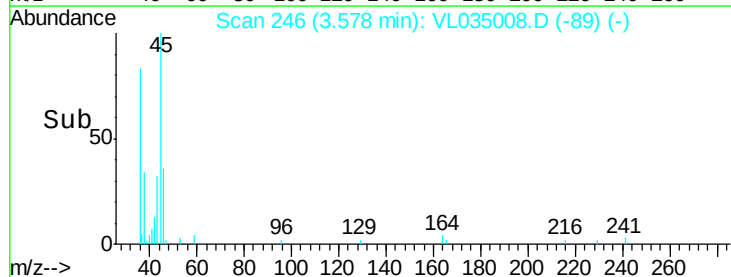
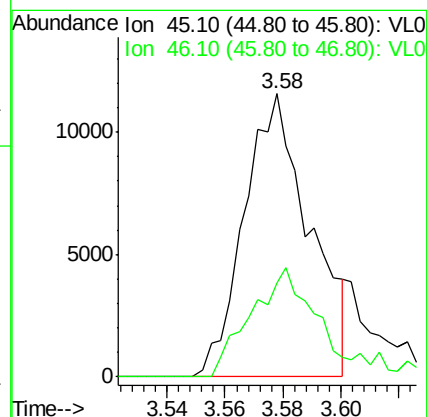
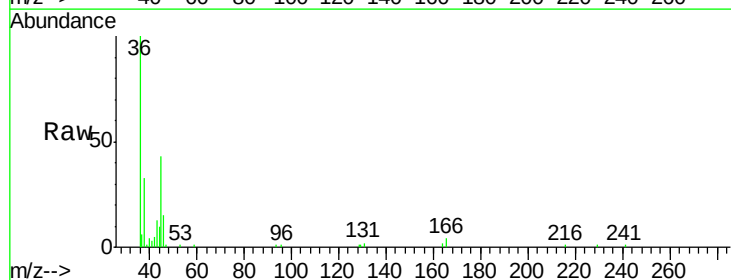
Acq: 13 May 2020 4:39

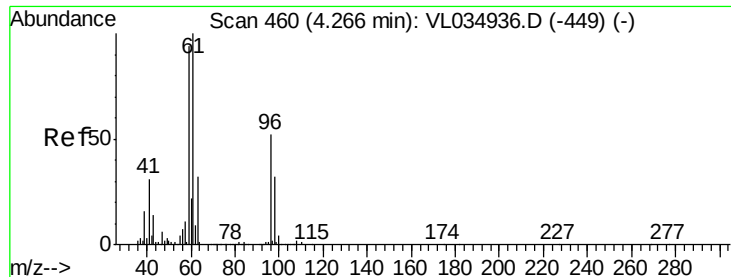
Tgt Ion: 45 Resp: 18171

Ion Ratio Lower Upper

45 100

46 42.9 14.3 57.3





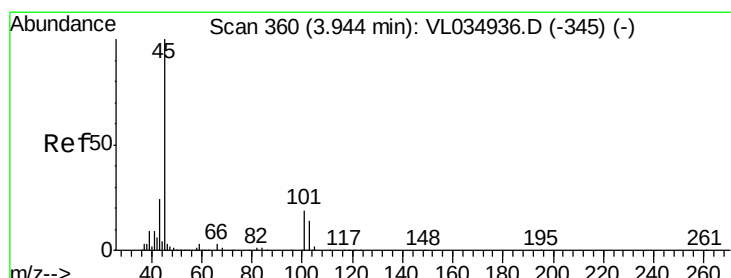
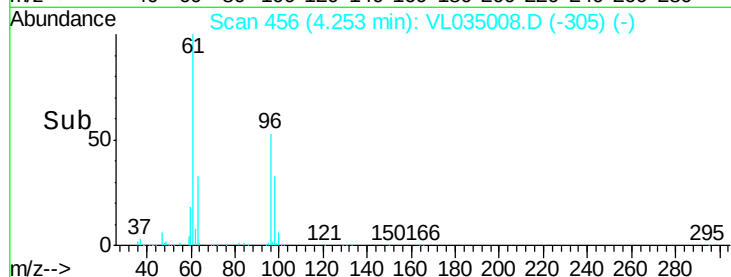
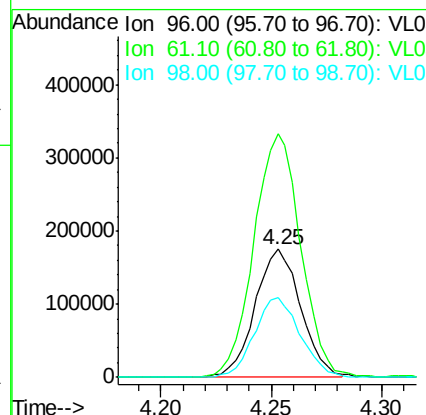
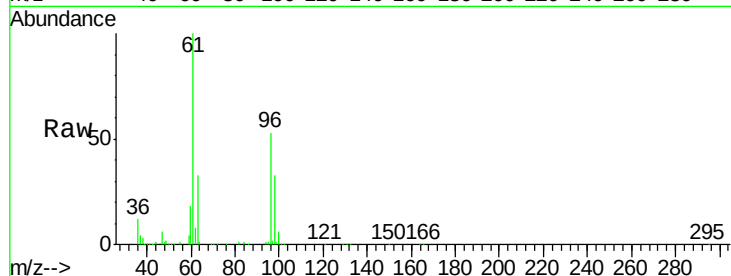
#18
 1,1-Dichloroethene
 Concen: 6.041 ppbv
 RT: 4.25 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: VL035008.D
 Acq: 13 May 2020 4:39

Instrument :
 MSVOA_L
 ClientSampled :
 SG-2DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	190.4	152.4	228.6		
98	62.2	48.8	73.2		

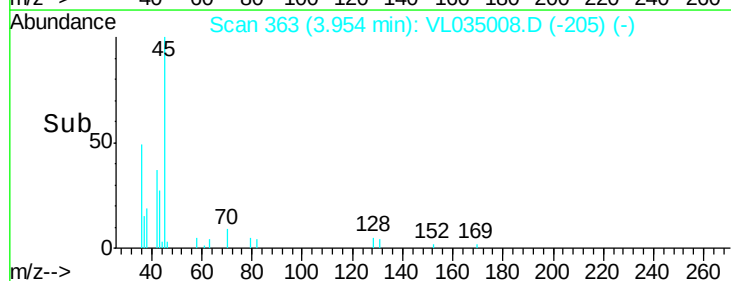
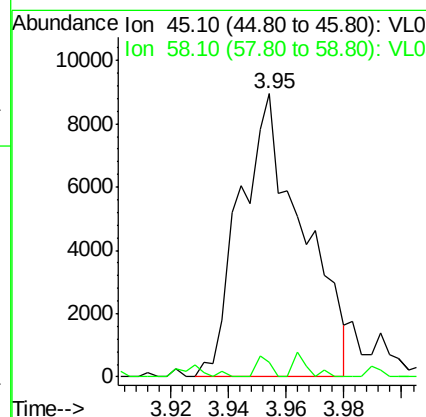
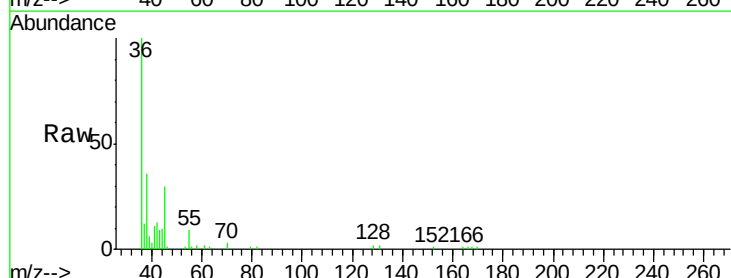
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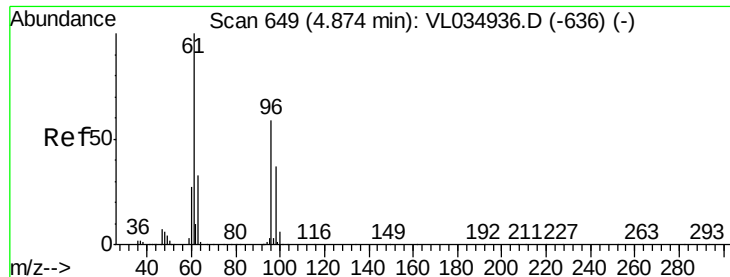
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#19
 Isopropyl Alcohol
 Concen: 0.165 ppbv m
 RT: 3.95 min Scan# 363
 Delta R.T. 0.01 min
 Lab File: VL035008.D
 Acq: 13 May 2020 4:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100				
58	0.0	1.7	2.5#		





#22

trans-1,2-Dichloroethene

Concen: 9.501 ppbv

RT: 4.85 min Scan# 643

Delta R.T. -0.02 min

Lab File: VL035008.D

Acq: 13 May 2020 4:39

Instrument :

MSVOA_L

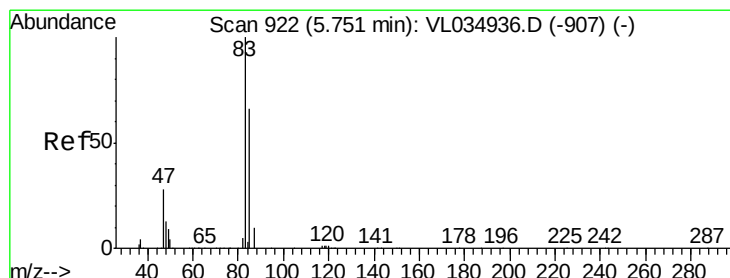
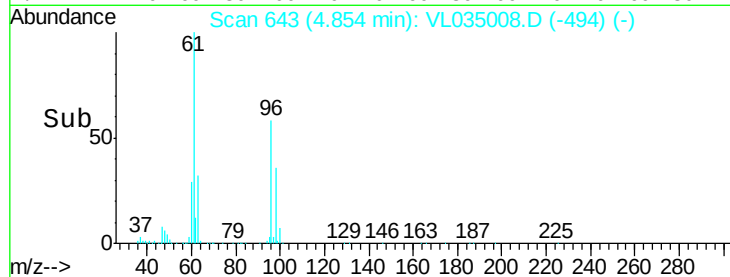
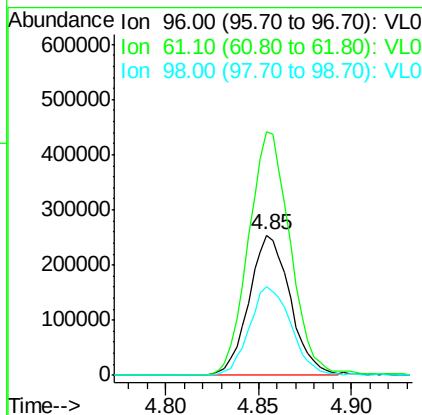
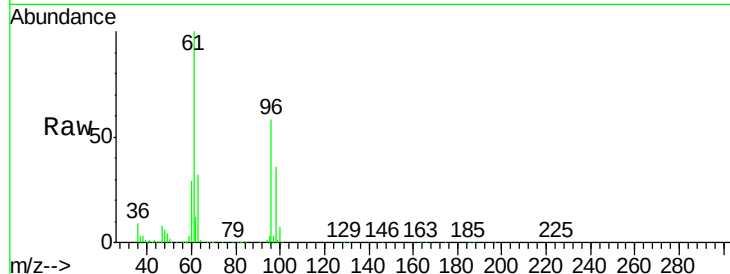
ClientSampled :

SG-2DL

Tot Ion:	96	Resp:	391226
Ion Ratio	Lower	Upper	
96	100		
61	173.8	135.3	202.9
98	63.2	50.4	75.6

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#29

Chloroform

Concen: 30.452 ppbv

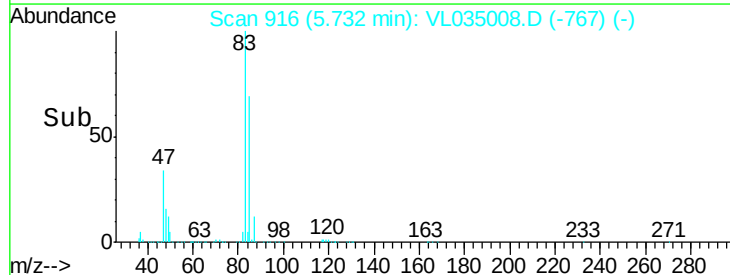
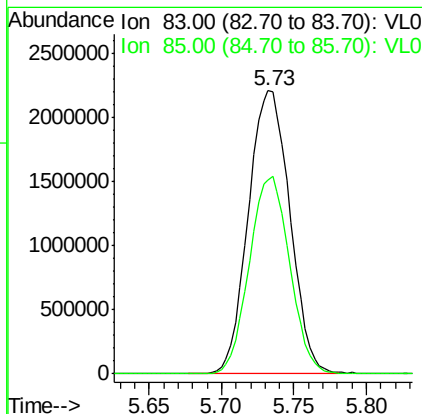
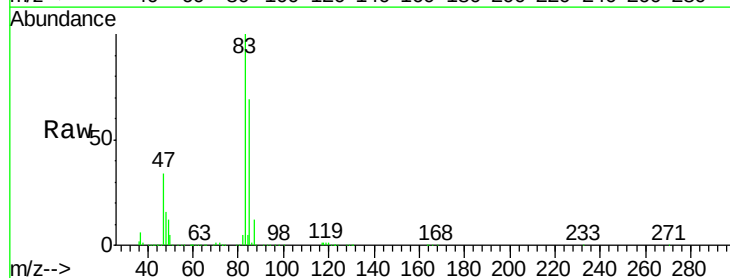
RT: 5.73 min Scan# 916

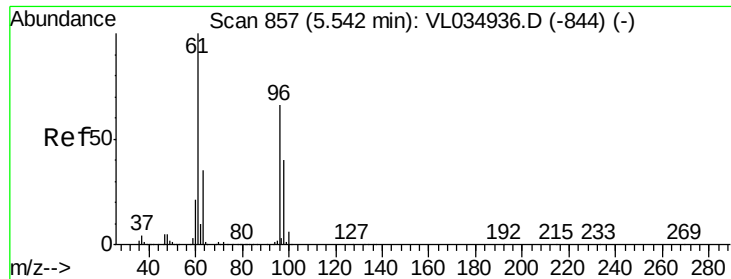
Delta R.T. -0.02 min

Lab File: VL035008.D

Acq: 13 May 2020 4:39

Tgt Ion:	83	Resp:	4410710
Ion Ratio	Lower	Upper	
83	100		
85	68.6	53.0	79.6





#31

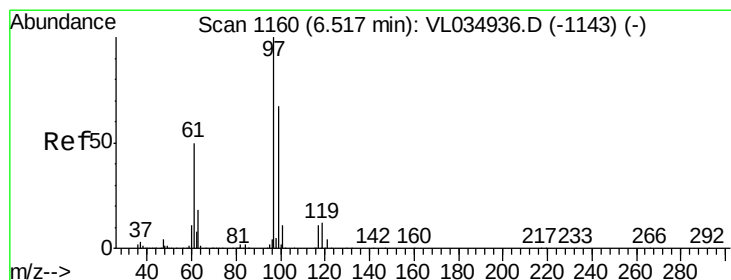
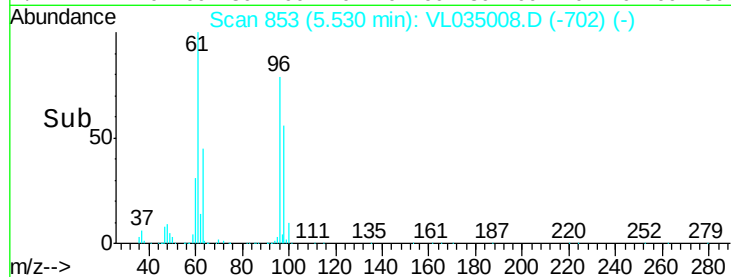
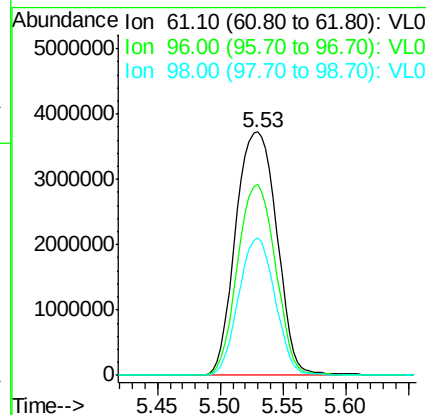
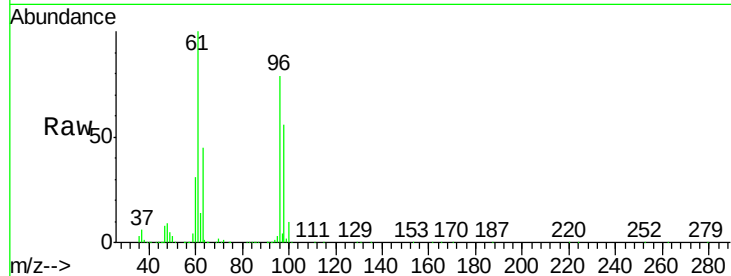
cis-1,2-Dichloroethene
 Concen: 98.582 ppbv
 RT: 5.53 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: VL035008.D
 Acq: 13 May 2020 4:39

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2DL

Tot Ion	Ratio	Lower	Upper
61	100		
96	78.5	53.0	79.6
98	56.3	32.2	48.2

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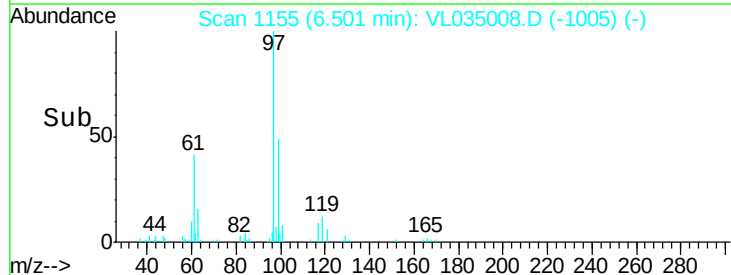
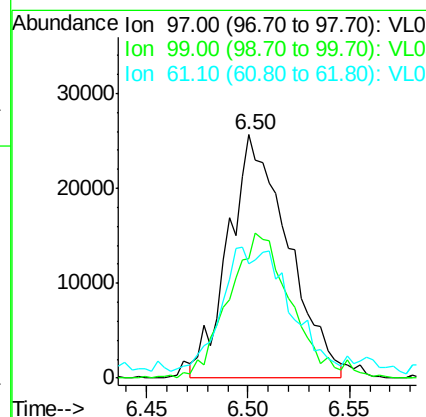
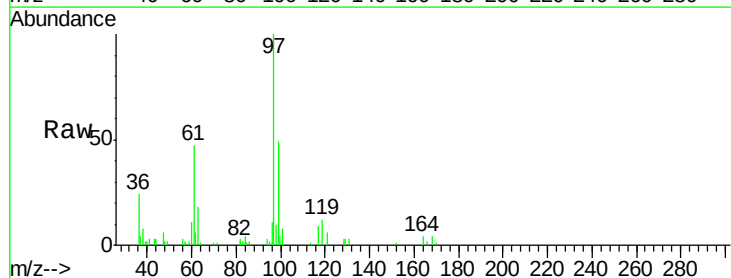
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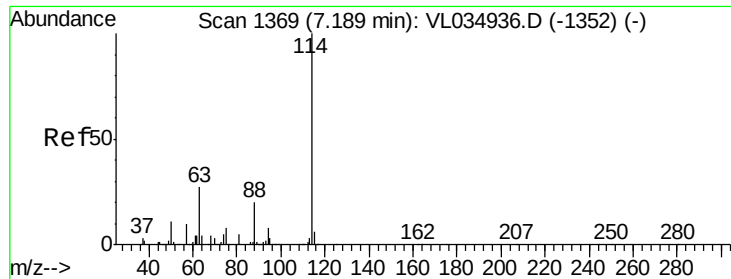


#32

1,1,1-Trichloroethane
 Concen: 0.399 ppbv m
 RT: 6.50 min Scan# 1155
 Delta R.T. -0.02 min
 Lab File: VL035008.D
 Acq: 13 May 2020 4:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	52.1	78.1
61	62.0	41.8	62.8





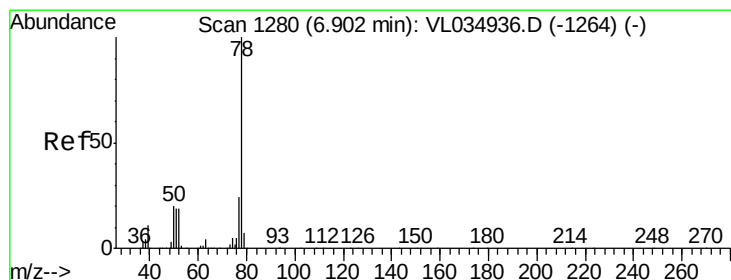
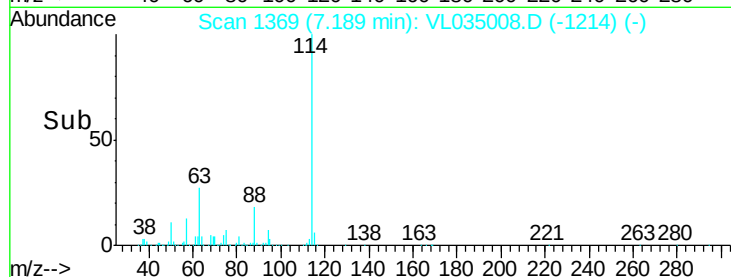
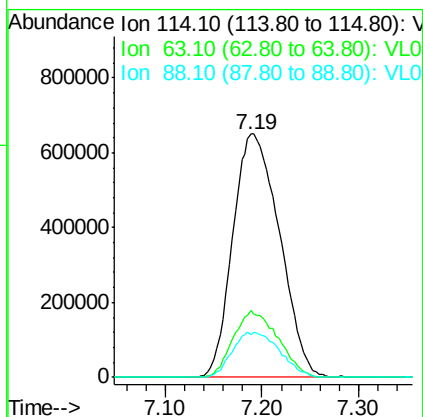
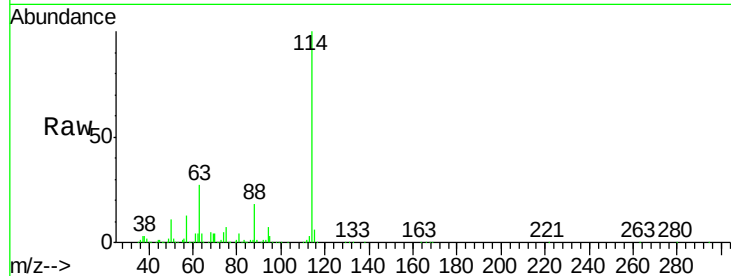
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VL035008.D
 Acq: 13 May 2020 4:39

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.3	22.2	33.4
88	18.8	15.5	23.3

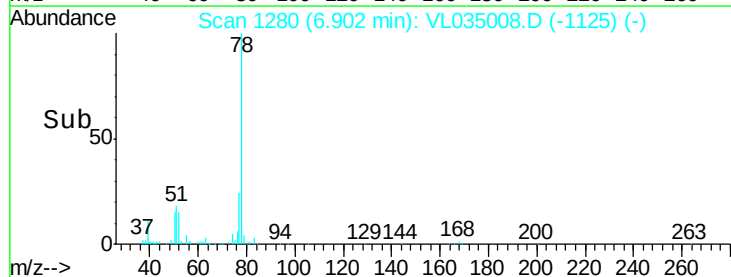
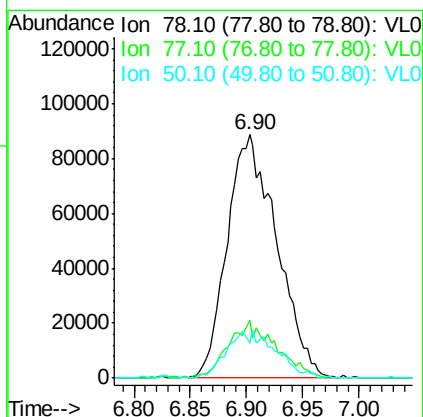
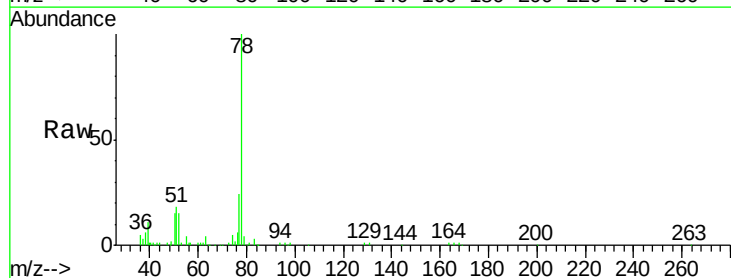
Manual Integrations
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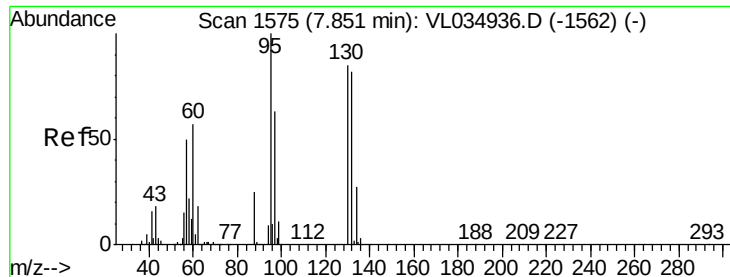
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#36
 Benzene
 Concen: 1.509 ppbv m
 RT: 6.90 min Scan# 1280
 Delta R.T. -0.00 min
 Lab File: VL035008.D
 Acq: 13 May 2020 4:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6
50	14.6	15.8	23.8#





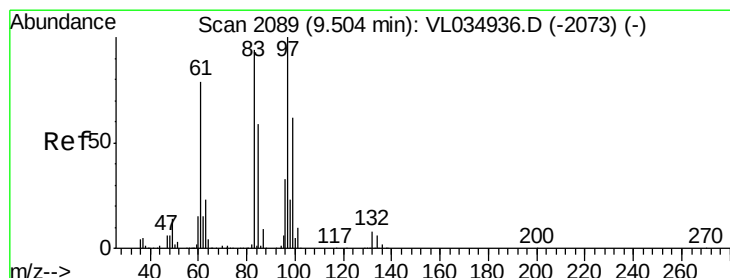
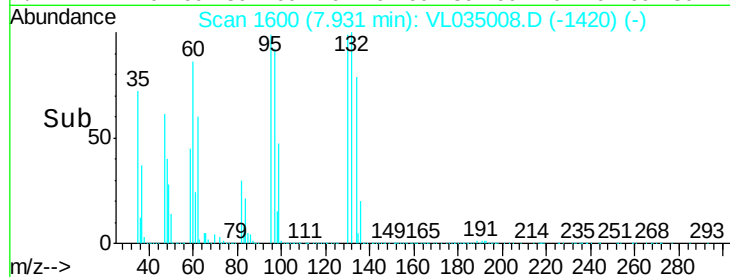
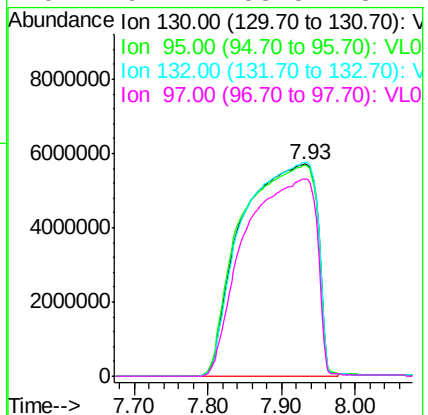
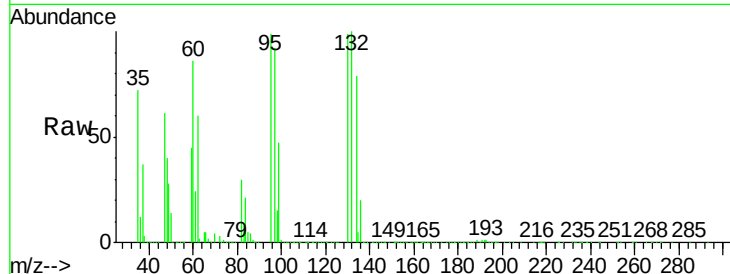
#38
 Trichloroethene
 Concen: 577.607 ppbv
 RT: 7.93 min Scan# 1600
 Delta R.T. 0.08 min
 Lab File: VL035008.D
 Acq: 13 May 2020 4:39

Instrument :
 MSVOA_L
 ClientSampled :
 SG-2DL

Tot Ion:130 Resp:40271655
 Ion Ratio Lower Upper
 130 100
 95 99.4 93.4 140.0
 132 100.7 76.4 114.6
 97 92.7 58.5 87.7#

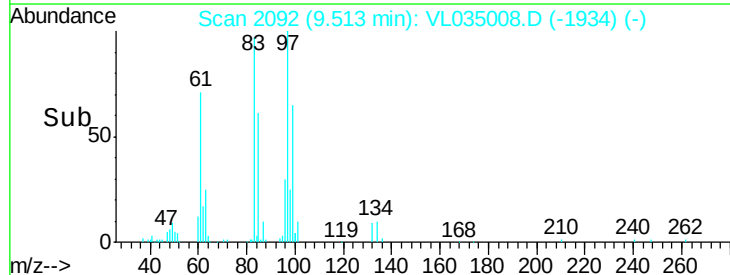
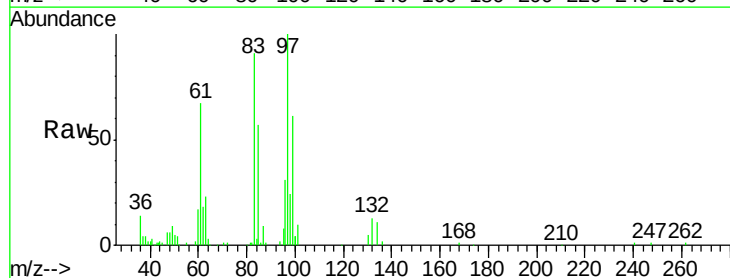
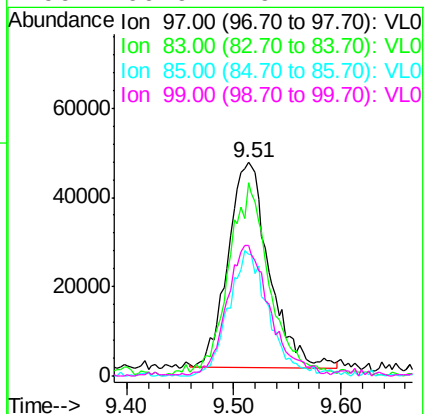
Manual Integrations
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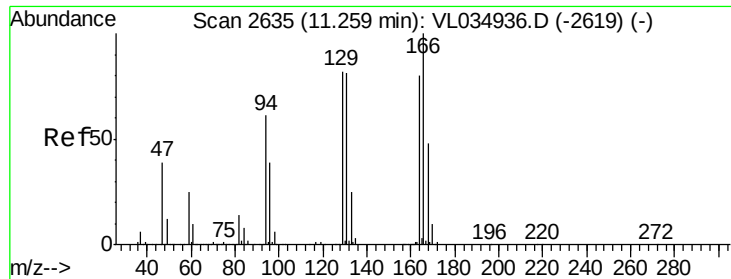
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#47
 1,1,2-Trichloroethane
 Concen: 1.610 ppbv m
 RT: 9.51 min Scan# 2092
 Delta R.T. 0.01 min
 Lab File: VL035008.D
 Acq: 13 May 2020 4:39

Tgt Ion: 97 Resp: 122555
 Ion Ratio Lower Upper
 97 100
 83 90.6 75.6 113.4
 85 57.1 47.0 70.6
 99 60.9 49.4 74.2





#52

Tetrachloroethene

Concen: 1441.119 ppbv m

RT: 11.43 min Scan# 2687

Delta R.T. 0.17 min

Lab File: VL035008.D

Acq: 13 May 2020 4:39

Instrument :

MSVOA_L

ClientSampled :

SG-2DL

Tot Ion:164 Resp:92222877

Ion Ratio Lower Upper

164 100

166 105.4 100.7 151.1

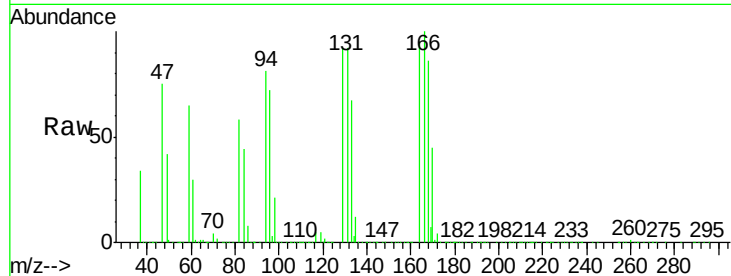
129 97.0 83.0 124.4

131 97.3 81.0 121.4

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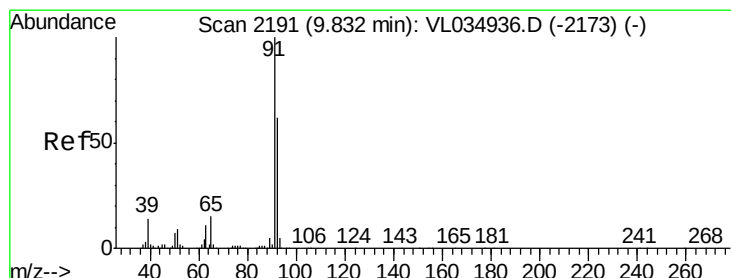
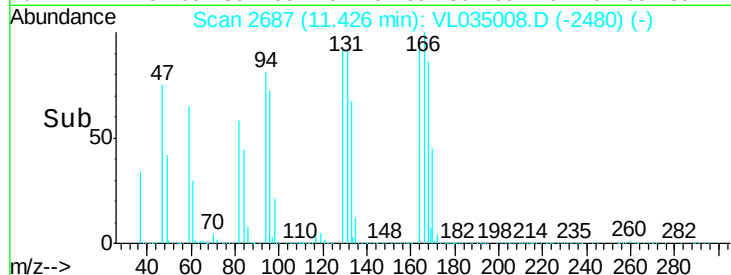
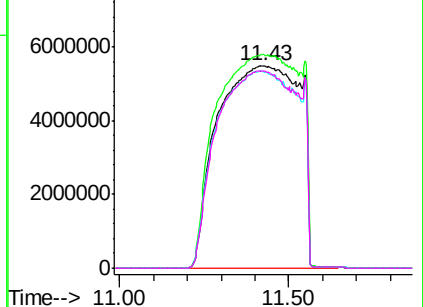


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 1.191 ppbv m

RT: 9.85 min Scan# 2196

Delta R.T. 0.02 min

Lab File: VL035008.D

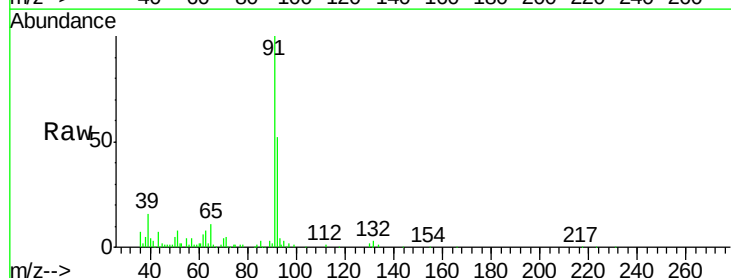
Acq: 13 May 2020 4:39

Tgt Ion: 91 Resp: 227236

Ion Ratio Lower Upper

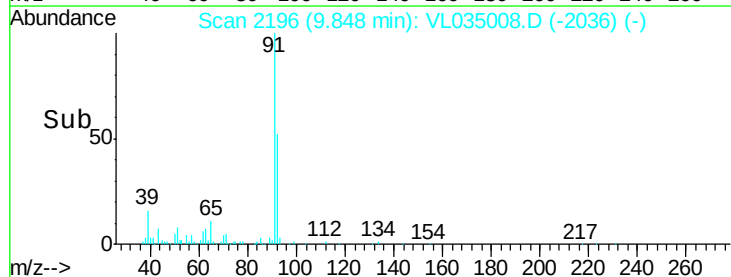
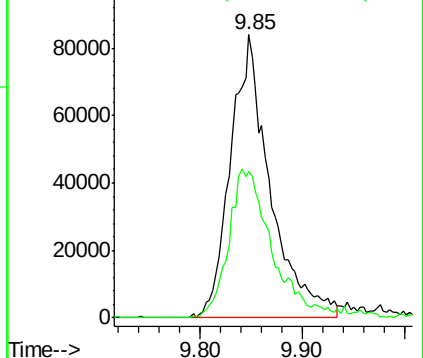
91 100

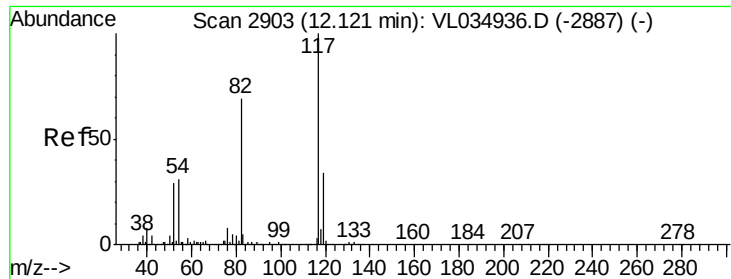
92 57.4 48.6 73.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





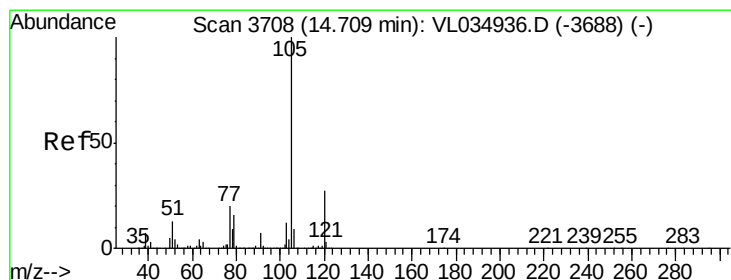
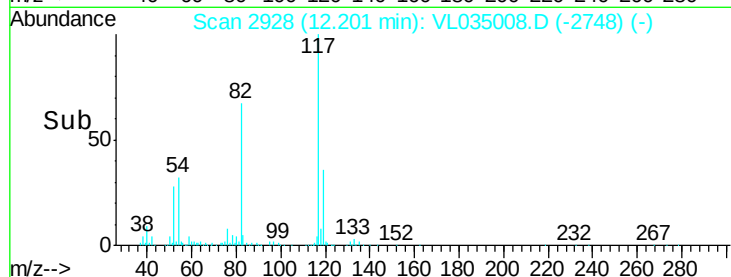
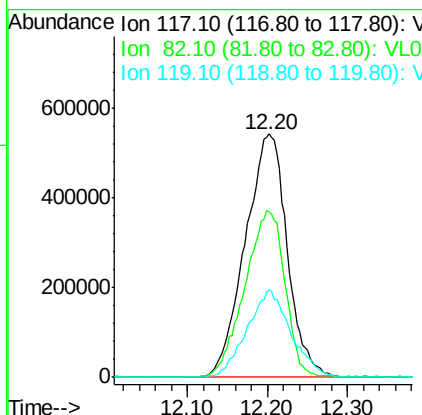
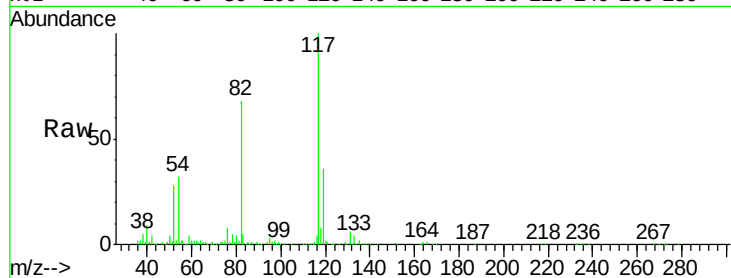
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.20 min Scan# 2928
Delta R.T. 0.08 min
Lab File: VL035008.D
Acq: 13 May 2020 4:39

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.8	53.1	79.7
119	37.7	26.7	40.1

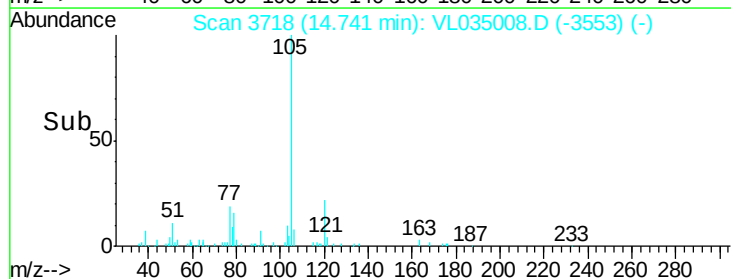
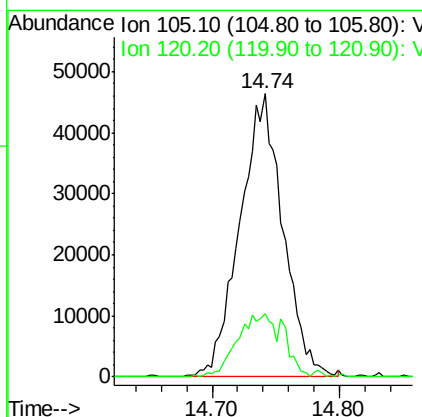
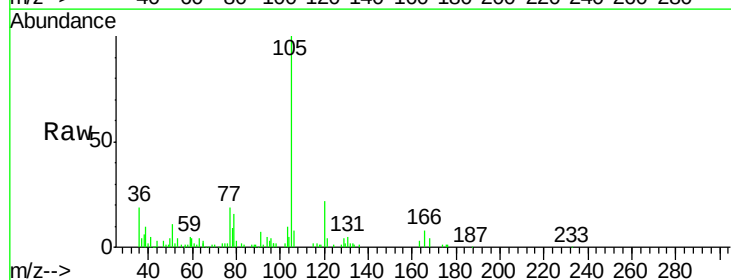
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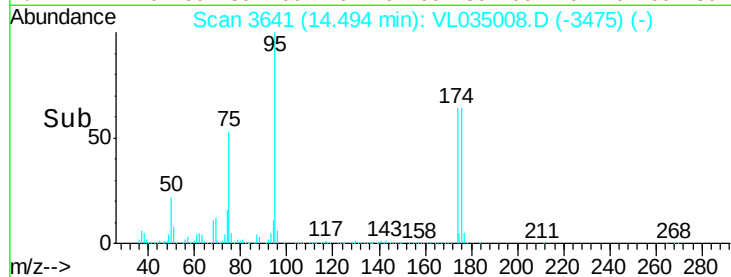
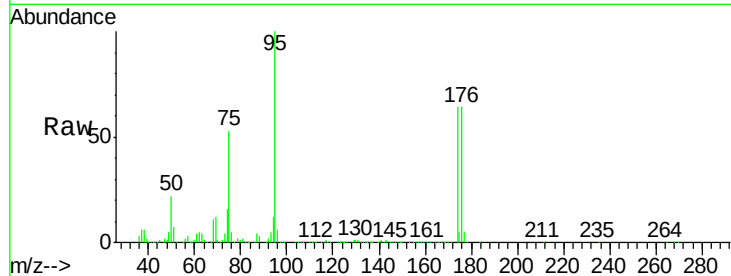
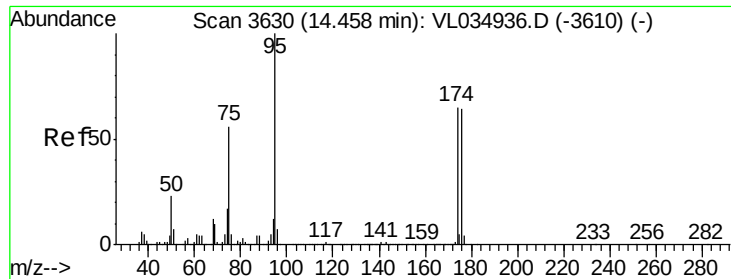
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#62
Isopropylbenzene
Concen: 0.348 ppbv m
RT: 14.74 min Scan# 3718
Delta R.T. 0.03 min
Lab File: VL035008.D
Acq: 13 May 2020 4:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.4	20.6	31.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.417 ppbv

RT: 14.49 min Scan# 3641

Delta R.T. 0.04 min

Lab File: VL035008.D

Acq: 13 May 2020 4:39

Tot Ion: 95 Resp: 1485686

Ion Ratio Lower Upper

95 100

174 64.1 51.5 77.3

175 5.0 3.8 5.8

Instrument :

MSVOA_L

ClientSampleId :

SG-2DL

Manual Integrations

APPROVED

MMDadoda

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