

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL040521\
 Data File : VL036691.D
 Acq On : 6 Apr 2021 3:00
 Operator : SY/AP
 Sample : M1877-07DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 UP-SG-4(2021)DL

Manual Integrations
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Quant Time: Apr 06 14:51:15 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 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	5.67	49	1289518	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3065007	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2818310	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.42	95	2193130	9.76	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	57924	0.754	ppbv #	79
13) Ethanol	3.62	45	66139m	7.231	ppbv	
15) Acetone	3.85	43	266389m	2.099	ppbv	
19) Isopropyl Alcohol	4.01	45	62799m	0.899	ppbv	
20) Methylene Chloride	4.35	84	123267	2.074	ppbv	98
26) Hexane	5.69	57	93110	0.665	ppbv #	43
38) Trichloroethene	7.83	130	4302m	0.039	ppbv	
52) Tetrachloroethene	11.23	164	320229	3.076	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL036691.D

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Instrument :

MSVOA_L

ClientSampleId :

UP-SG-4(2021)DL

Tot Ion: 49 Resp: 1289518

Ion Ratio Lower Upper

49 100

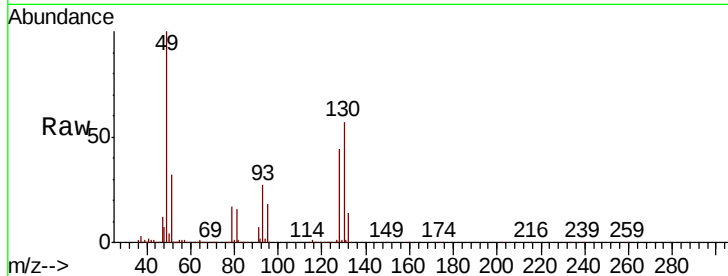
128 46.2 23.5 70.6

130 59.6 29.1 87.4

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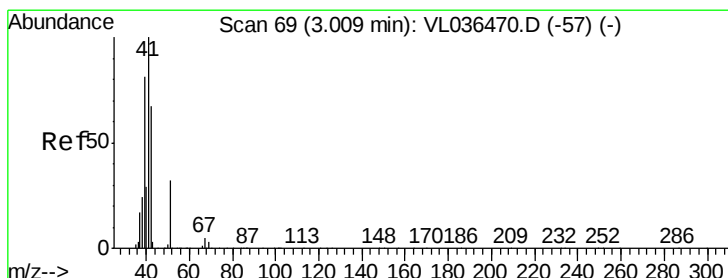
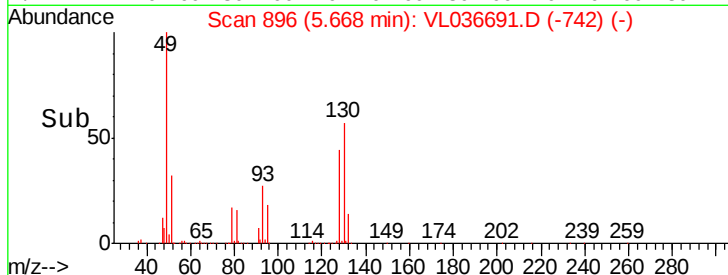
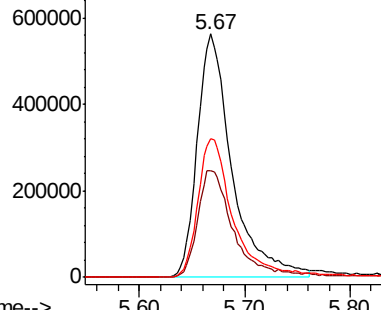
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.754 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.02 min

Lab File: VL036691.D

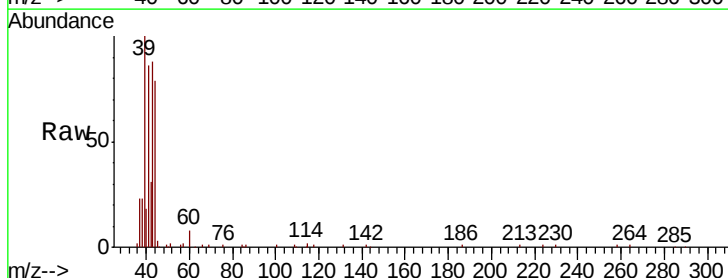
Acq: 6 Apr 2021 3:00

Tgt Ion: 41 Resp: 57924

Ion Ratio Lower Upper

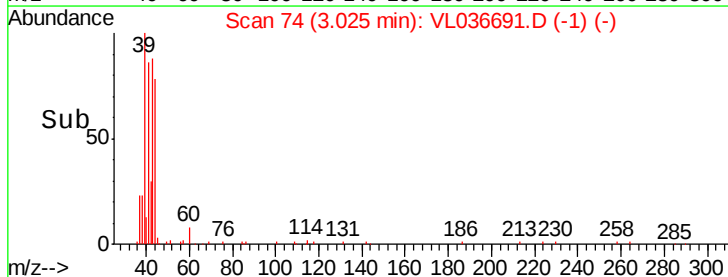
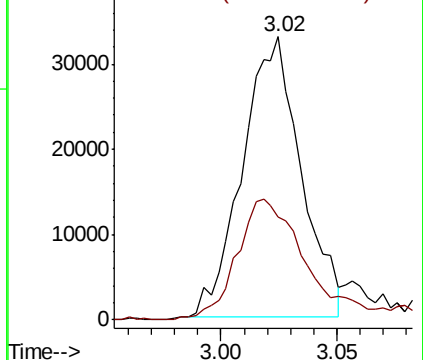
41 100

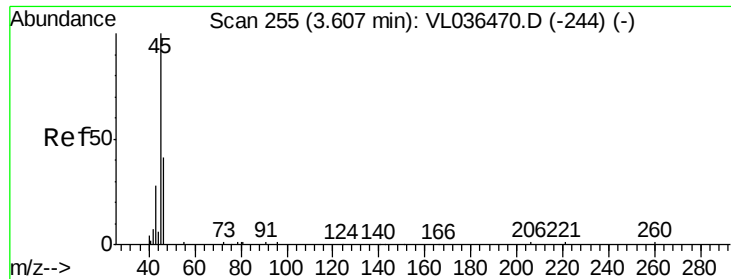
42 54.0 57.0 85.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





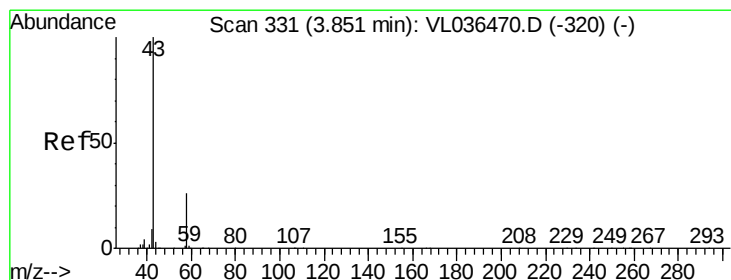
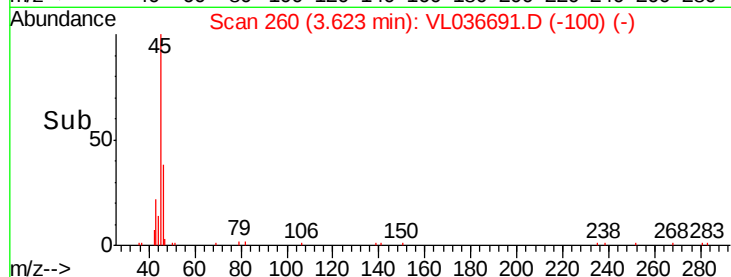
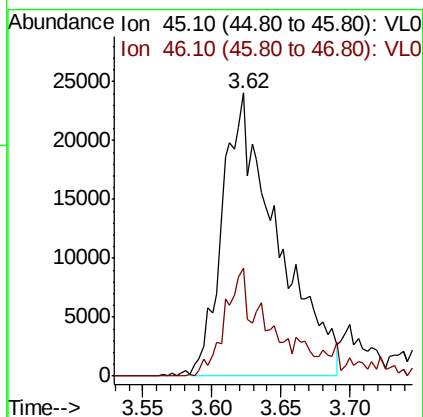
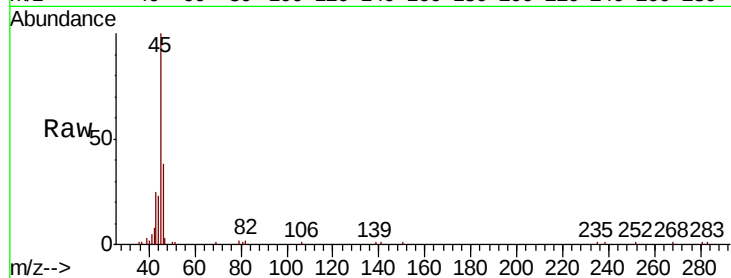
#13
Ethanol
Concen: 7.231 ppbv m
RT: 3.62 min Scan# 260
Delta R.T. 0.02 min
Lab File: VL036691.D
Acq: 6 Apr 2021 3:00

Instrument :
MSVOA_L
ClientSampleID :
UP-SG-4(2021)DL

Tot Ion: 45 Resp: 66139
Ion Ratio Lower Upper
45 100
46 0.0 16.6 66.2#

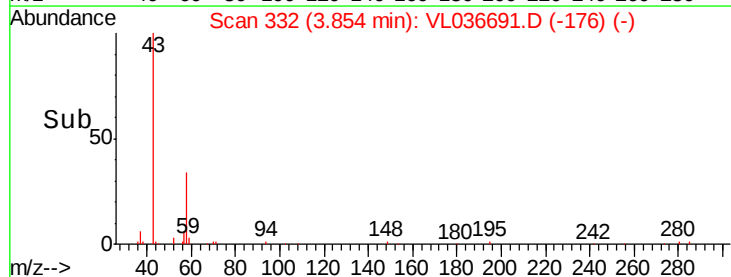
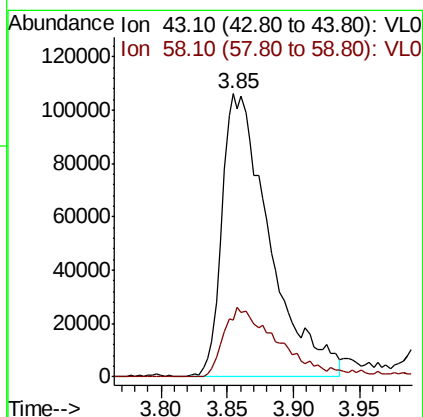
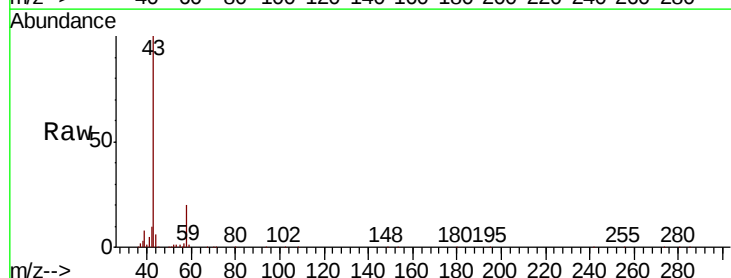
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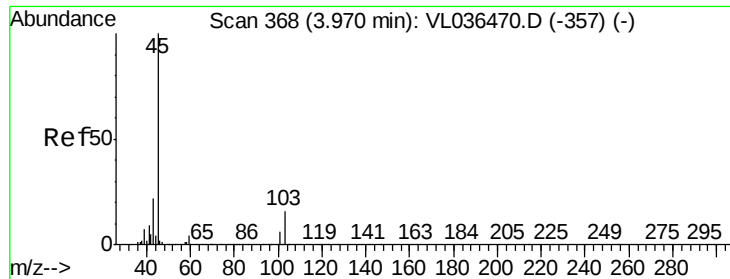
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#15
Acetone
Concen: 2.099 ppbv m
RT: 3.85 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL036691.D
Acq: 6 Apr 2021 3:00

Tgt Ion: 43 Resp: 266389
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#





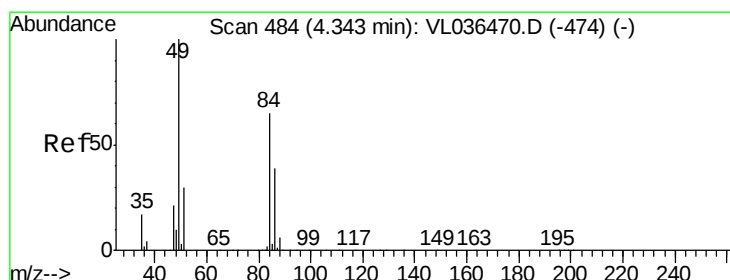
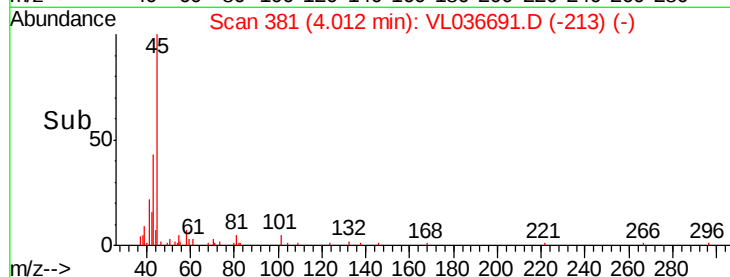
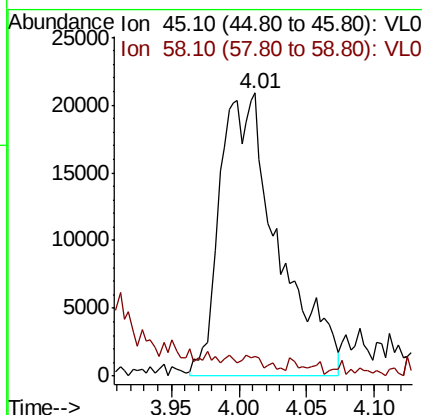
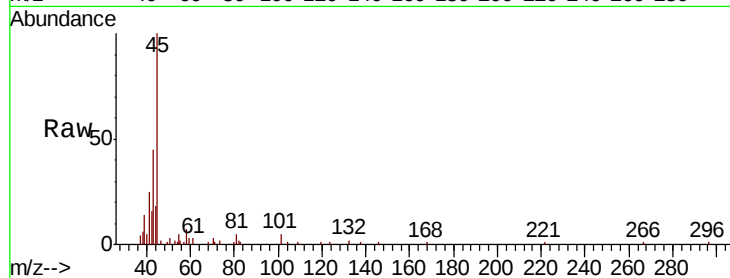
#19
Isopropyl Alcohol
Concen: 0.899 ppbv m
RT: 4.01 min Scan# 381
Delta R.T. 0.04 min
Lab File: VL036691.D
Acq: 6 Apr 2021 3:00

Instrument :
MSVOA_L
ClientSampleId :
UP-SG-4(2021)DL

Tot Ion: 45 Resp: 62799
Ion Ratio Lower Upper
45 100
58 0.0 2.9 4.3#

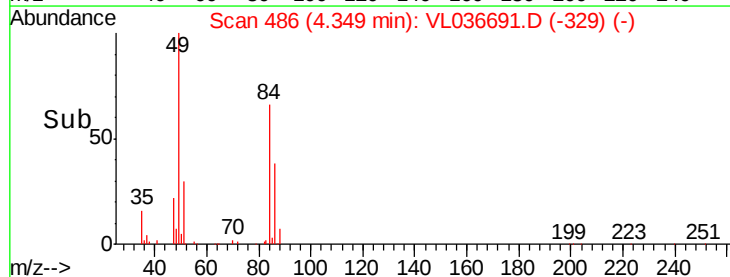
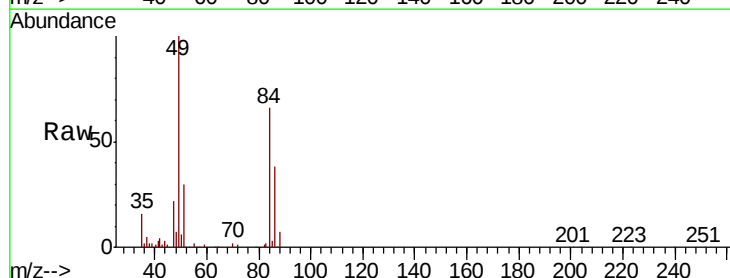
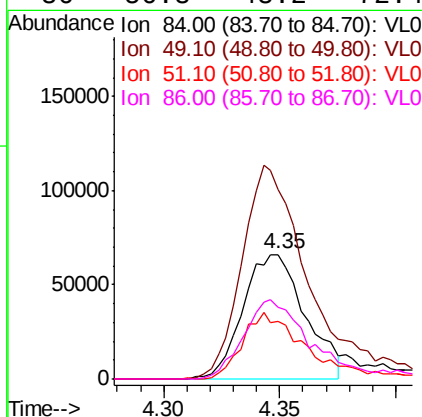
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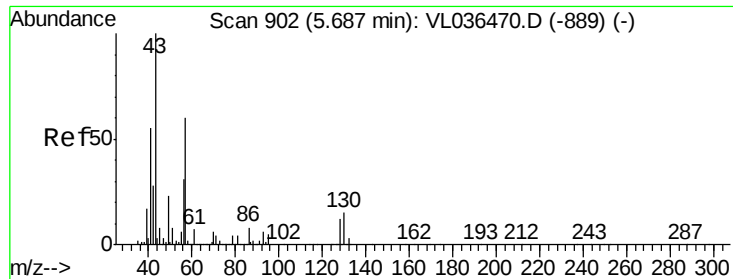
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#20
Methylene Chloride
Concen: 2.074 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.01 min
Lab File: VL036691.D
Acq: 6 Apr 2021 3:00

Tgt Ion: 84 Resp: 123267
Ion Ratio Lower Upper
84 100
49 151.9 122.9 184.3
51 45.2 36.9 55.3
86 56.8 48.2 72.4





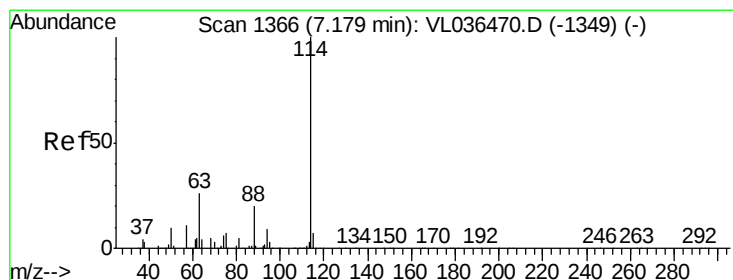
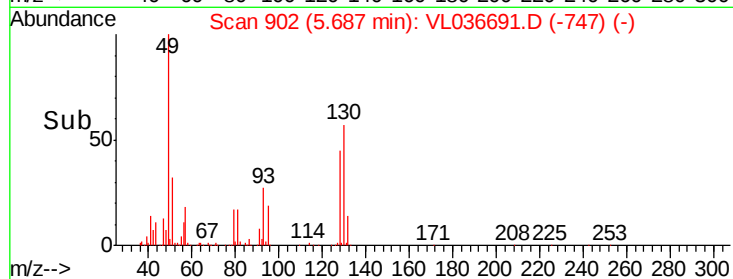
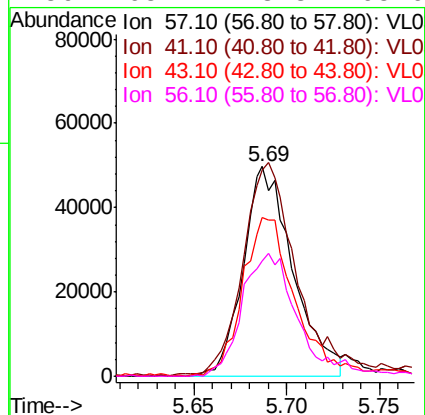
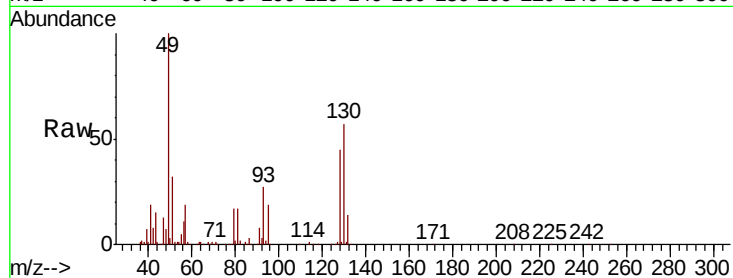
#26
Hexane
Concen: 0.665 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL036691.D
Acq: 6 Apr 2021 3:00

Instrument :
MSVOA_L
ClientSampleId :
UP-SG-4(2021)DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	116.4	77.2	115.8#
43	82.3	173.8	260.6#
56	65.4	43.8	65.6

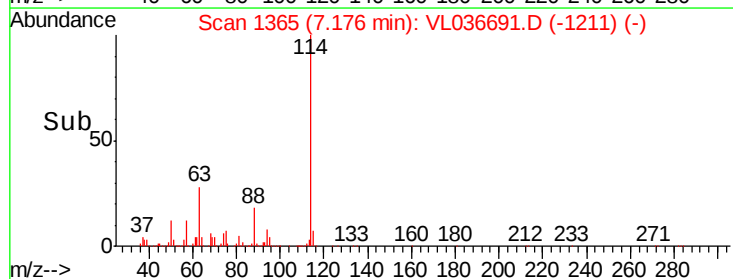
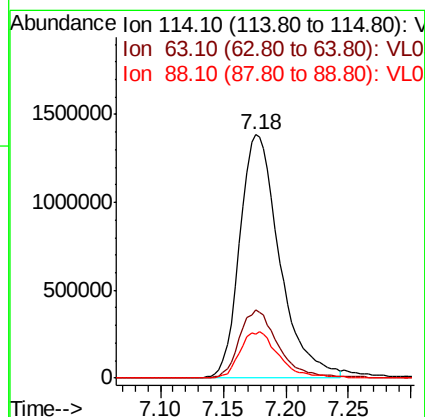
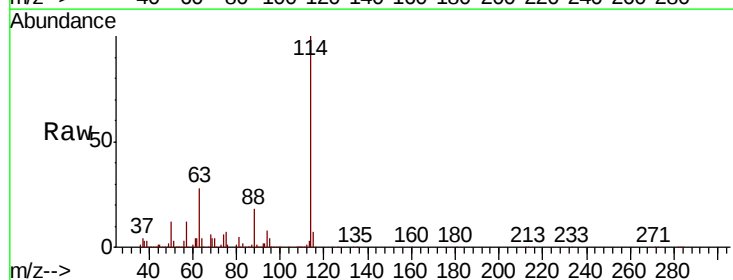
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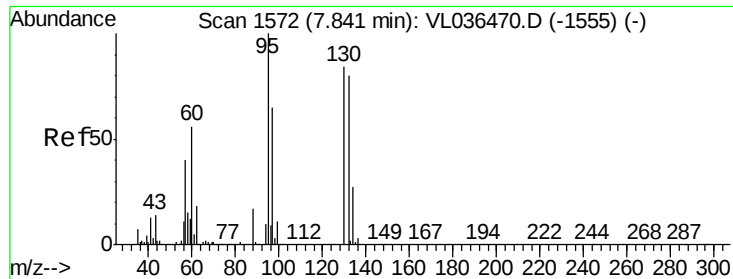
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL036691.D
Acq: 6 Apr 2021 3:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.4	33.6
88	19.1	15.4	23.0





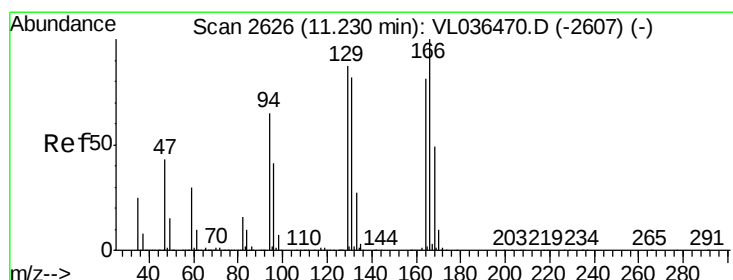
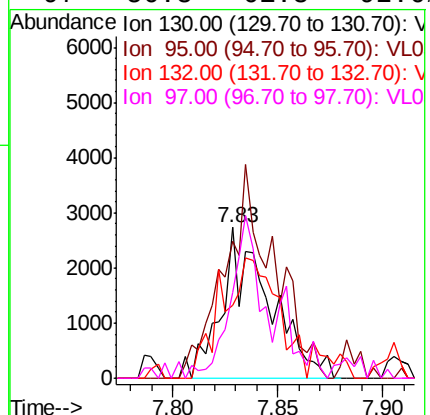
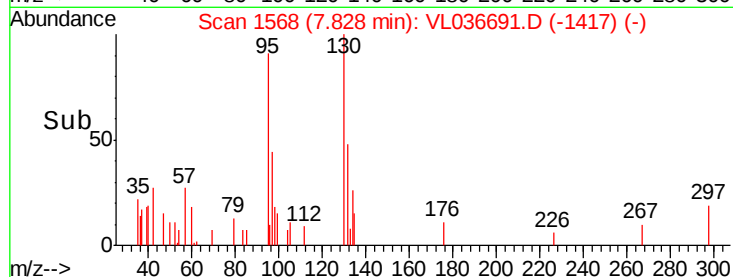
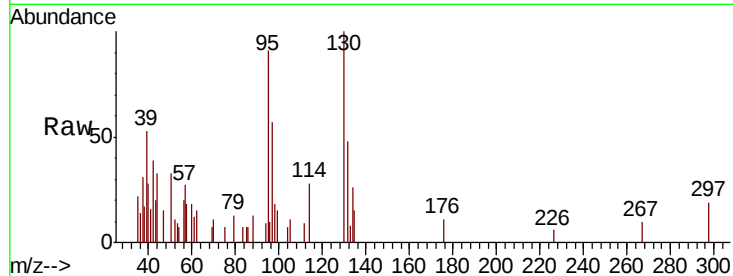
#38
 Trichloroethene
 Concen: 0.039 ppbv m
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VL036691.D
 Acq: 6 Apr 2021 3:00

Instrument :
 MSVOA_L
 ClientSampleId :
 UP-SG-4(2021)DL

Tot Ion	Ratio	Lower	Upper
130	100		
95	90.7	95.7	143.5#
132	48.3	76.2	114.4#
97	56.8	61.8	92.6#

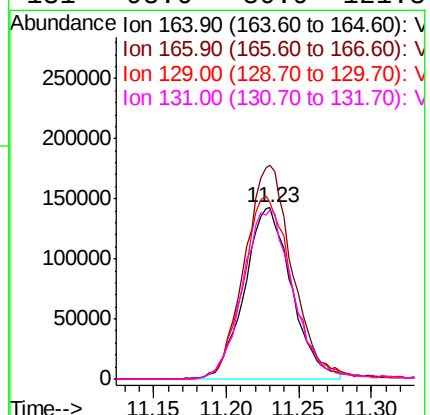
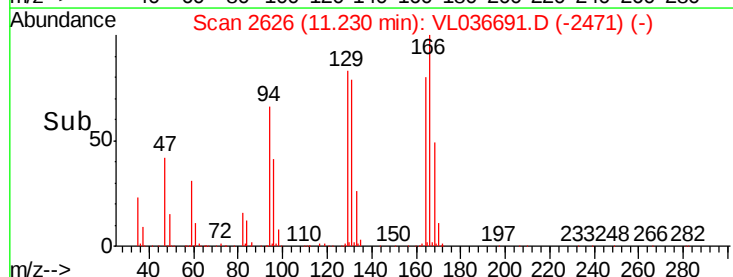
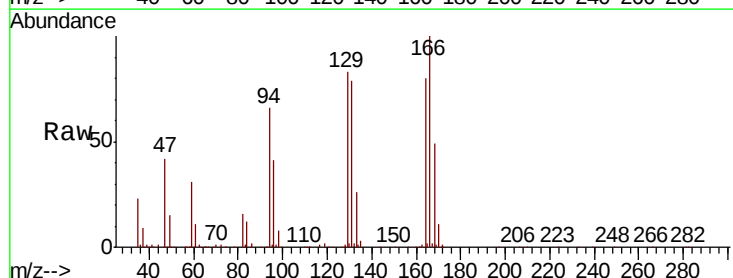
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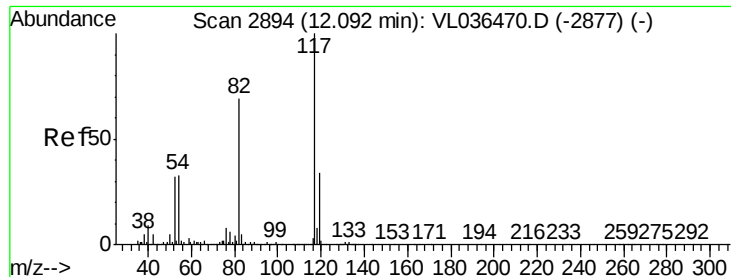
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#52
 Tetrachloroethene
 Concen: 3.076 ppbv
 RT: 11.23 min Scan# 2626
 Delta R.T. -0.00 min
 Lab File: VL036691.D
 Acq: 6 Apr 2021 3:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	98.3	147.5
129	103.1	85.8	128.8
131	98.6	80.9	121.3





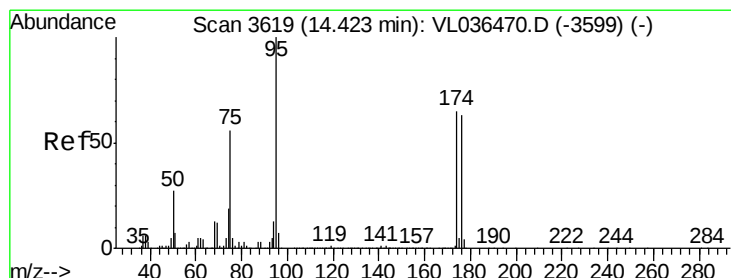
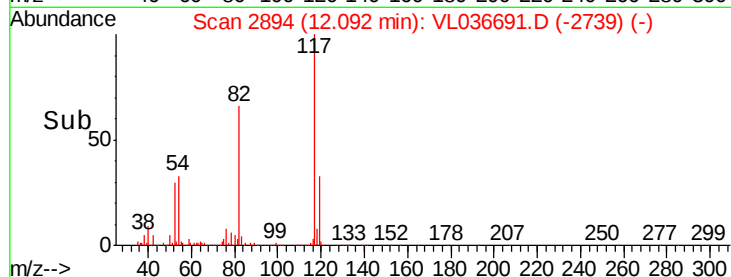
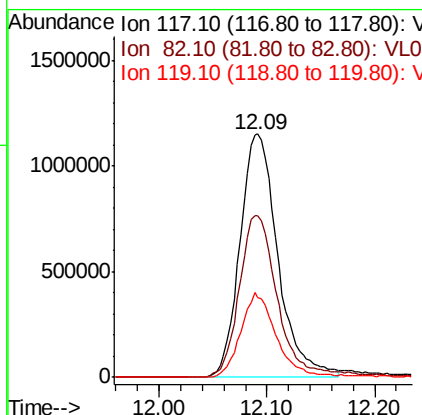
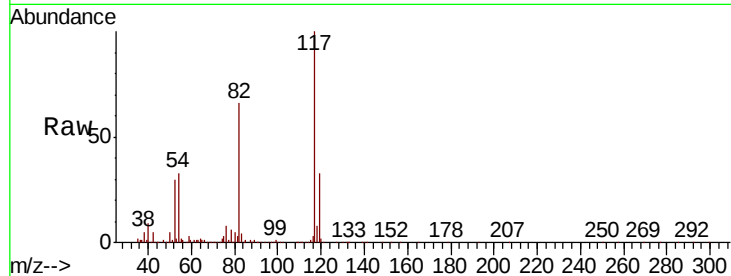
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL036691.D
Acq: 6 Apr 2021 3:00

Instrument :
MSVOA_L
ClientSampleId :
UP-SG-4(2021)DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.9	57.4	86.0
119	32.9	47.4	71.0

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.764 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VL036691.D
Acq: 6 Apr 2021 3:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.6	51.0	76.6
175	4.9	3.9	5.9

