

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030620\
 Data File : VL034835.D
 Acq On : 7 Mar 2020 4:11
 Operator : SY/AP
 Sample : L1698-08DL2DUP 300X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2-4DL2DUP

Manual Integrations
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 3/9/2020 9:21:36 AM

Quant Time: Mar 07 09:37:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 0
 QLast Update : Wed Mar 04 06:36:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	884919	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.18	114	2017740	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.11	117	1994162	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	1561007	9.39	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.22	62	245455	4.279	ppbv	99
9) Propene	2.97	41	39989	1.008	ppbv	94
10) Heptane	8.13	43	78011	0.774	ppbv	97
26) Hexane	5.67	57	123926	1.549	ppbv #	41
30) Cyclohexane	7.13	84	92523	1.512	ppbv #	75
31) cis-1,2-Dichloroethene	5.54	61	1206613	14.706	ppbv	99
36) Benzene	6.89	78	111946	0.649	ppbv #	92
38) Trichloroethene	7.84	130	118503	1.763	ppbv #	83
44) 2,2,4-Trimethylpentane	7.87	57	216877m	0.720	ppbv	
52) Tetrachloroethene	11.25	164	39086	0.614	ppbv	91
53) Toluene	9.82	91	35759m	0.196	ppbv	

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

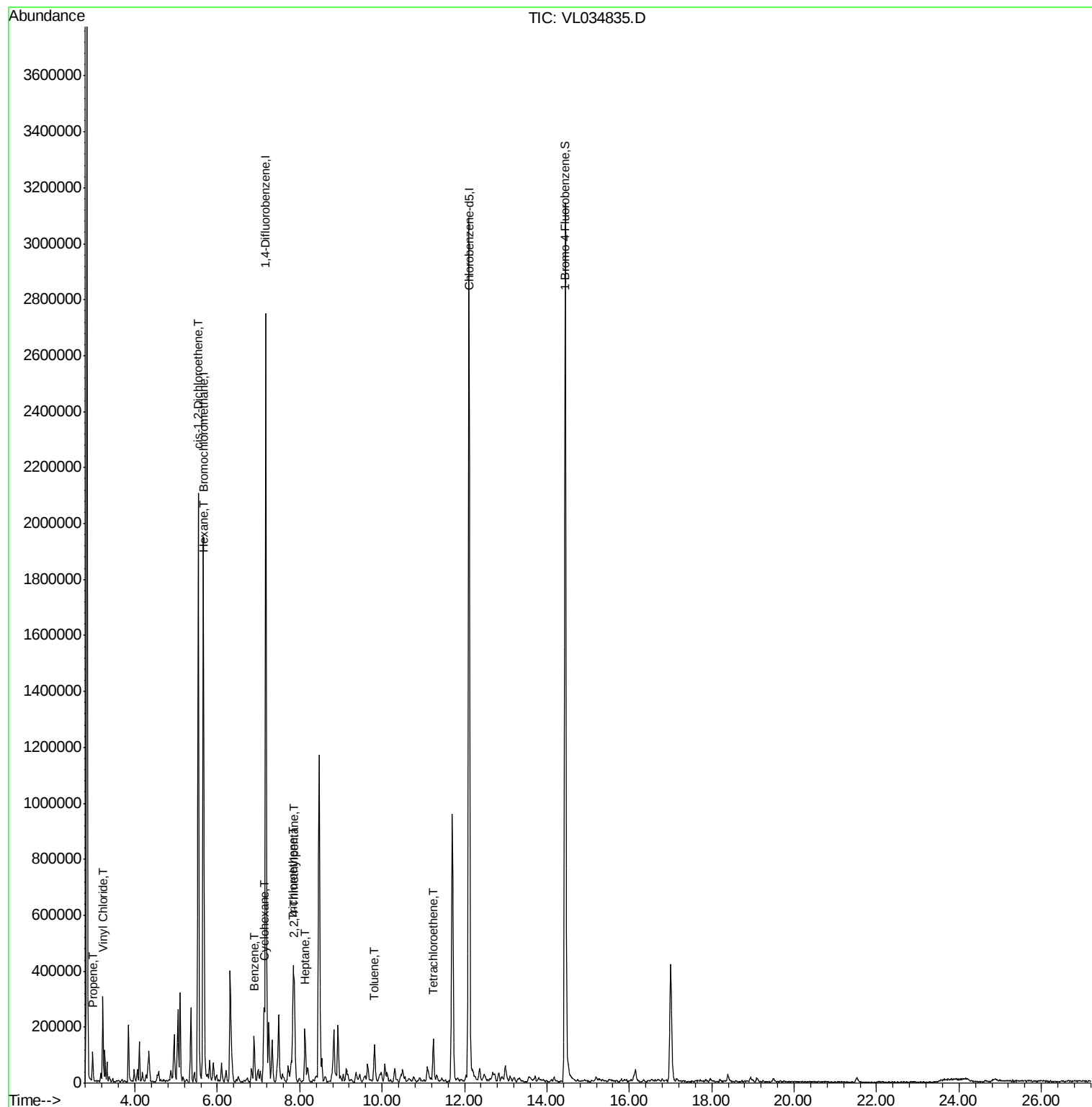
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030620\
Data File : VL034835.D
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Operator : SY/AP
Sample : L1698-08DL2DUP 300X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

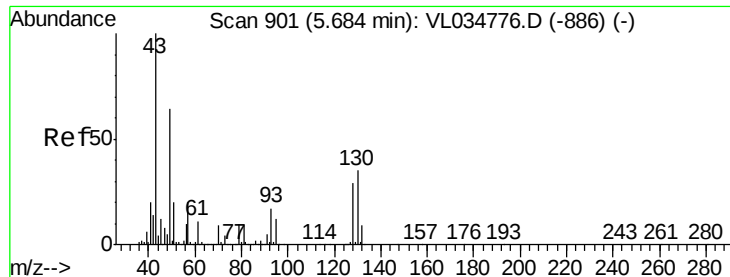
Instrument :
MSVOA_L
ClientSampleId :
SS-2-4DL2DUP

Manual Integrations
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3/9/2020 9:21:36 AM

Quant Time: Mar 07 09:37:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar
QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.03 min

Lab File: VL034835.D

Acq: 7 Mar 2020 4:11

Instrument :

MSVOA_L

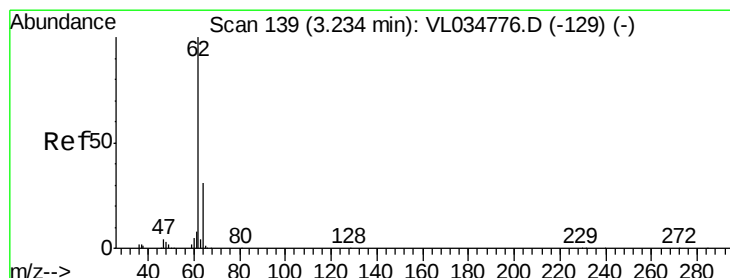
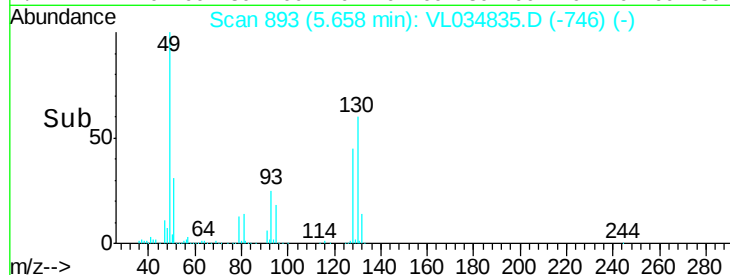
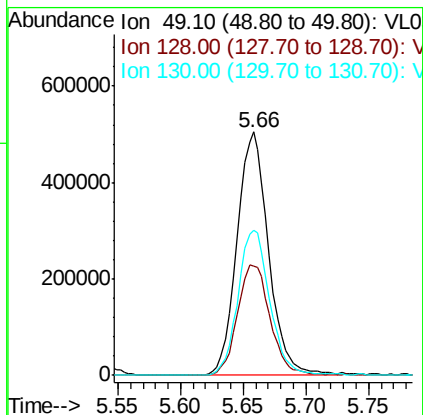
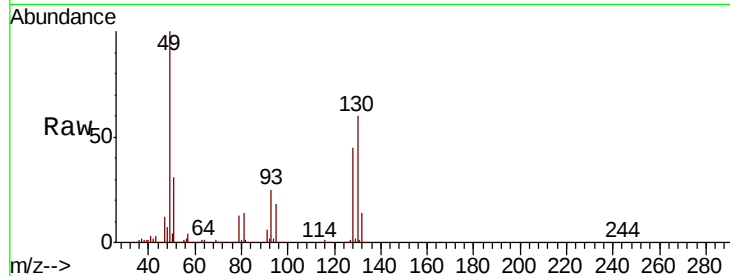
ClientSampleId :

SS-2-4DL2DUP

Tot Ion:	49	Resp:	884919
Ion	Ratio	Lower	Upper
49	100		
128	47.3	21.6	64.6
130	61.0	27.4	82.2

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#5

Vinyl Chloride

Concen: 4.279 ppbv

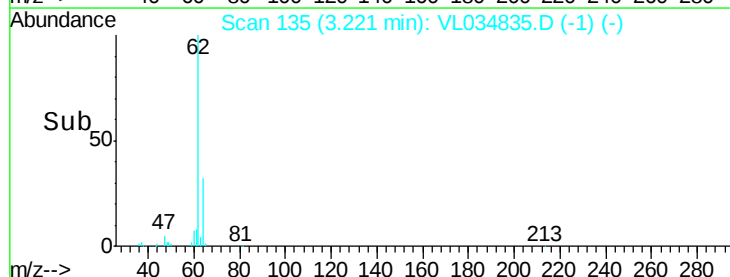
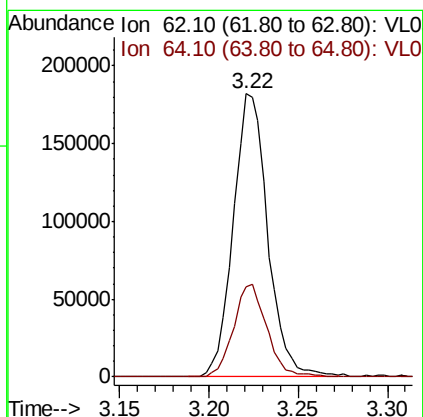
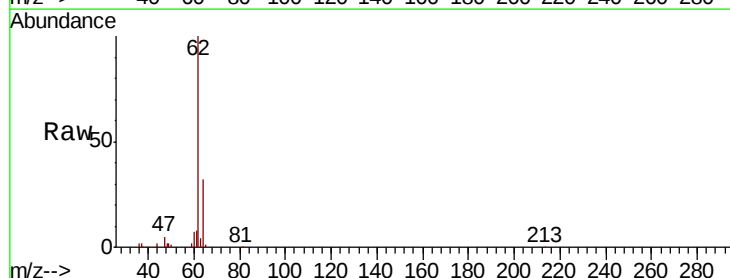
RT: 3.22 min Scan# 135

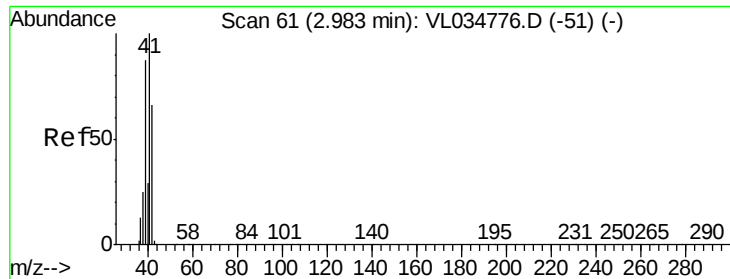
Delta R.T. -0.01 min

Lab File: VL034835.D

Acq: 7 Mar 2020 4:11

Tgt Ion:	62	Resp:	245455
Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.1	37.7





#9

Propene

Concen: 1.008 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.01 min

Lab File: VL034835.D

Acq: 7 Mar 2020 4:11

Instrument :

MSVOA_L

ClientSampleId :

SS-2-4DL2DUP

Tot Ion: 41 Resp: 39989

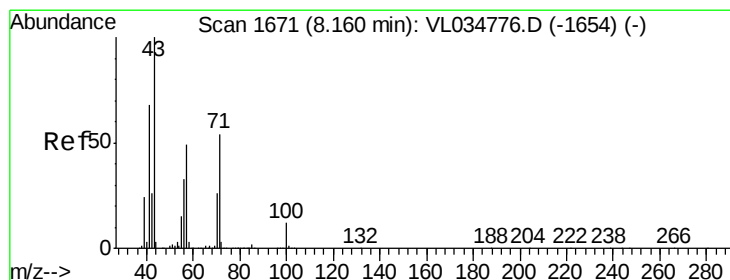
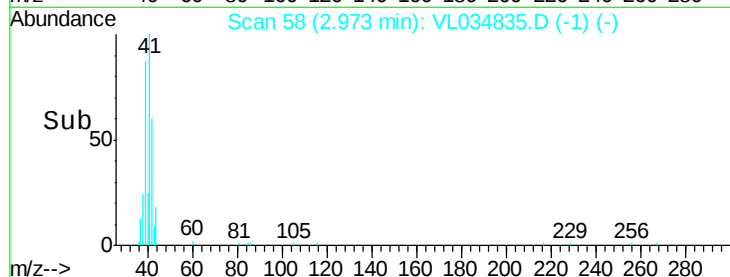
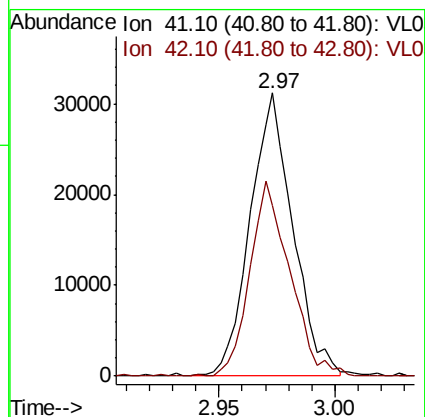
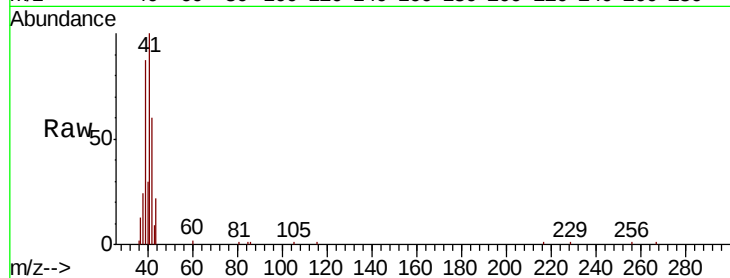
Ion Ratio Lower Upper

41 100

42 64.4 55.6 83.4

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#10

Heptane

Concen: 0.774 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.03 min

Lab File: VL034835.D

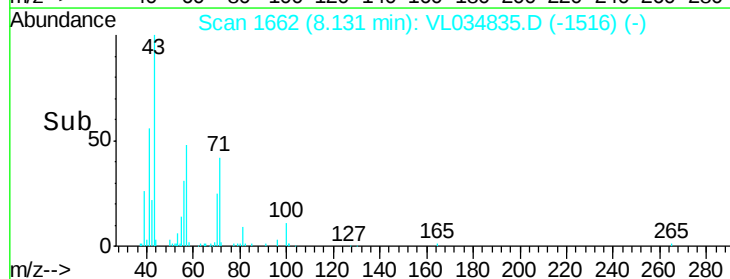
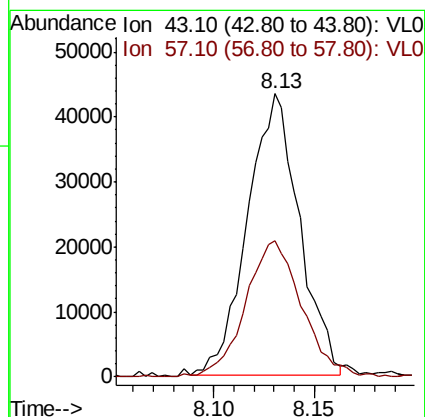
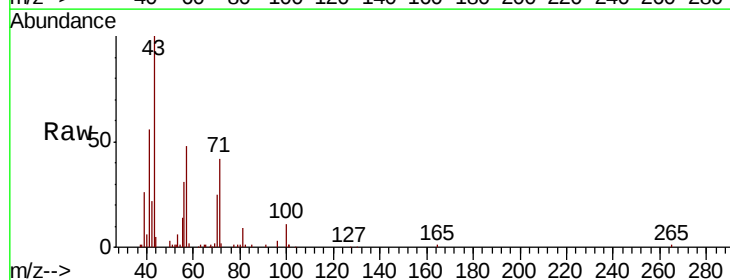
Acq: 7 Mar 2020 4:11

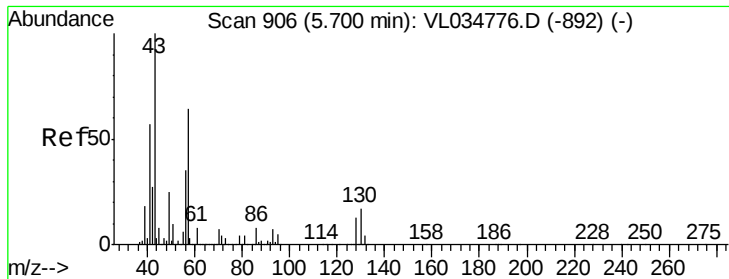
Tgt Ion: 43 Resp: 78011

Ion Ratio Lower Upper

43 100

57 52.7 40.5 60.7





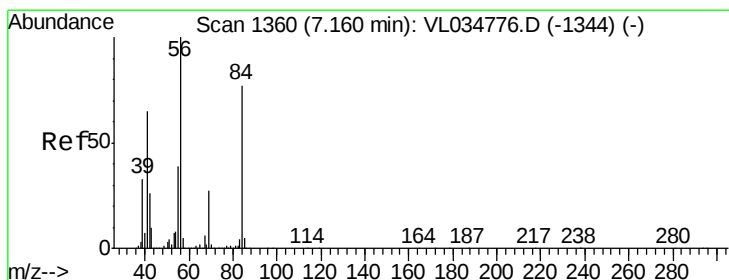
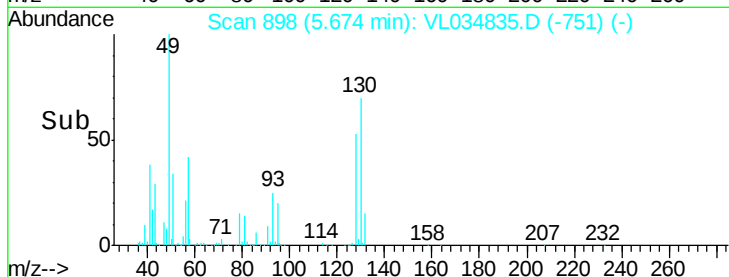
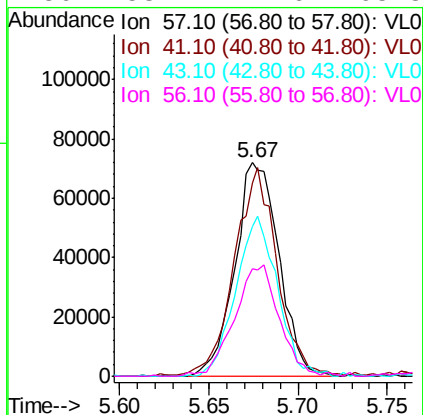
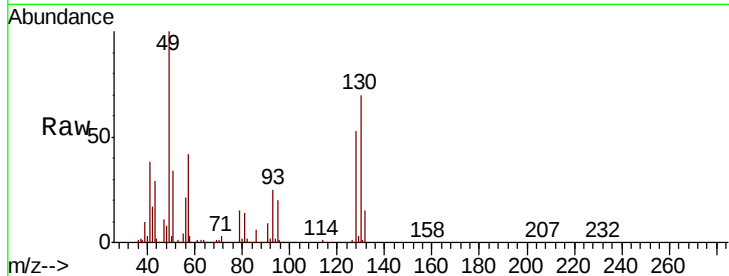
#26
Hexane
Concen: 1.549 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.03 min
Lab File: VL034835.D
Acq: 7 Mar 2020 4:11

Instrument :
MSVOA_L
ClientSampleId :
SS-2-4DL2DUP

Tot Ion	Ratio	Lower	Upper
57	100		
41	95.9	72.0	108.0
43	71.4	179.1	268.7#
56	53.2	42.6	63.8

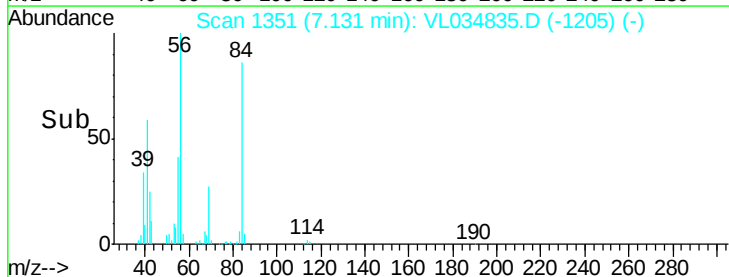
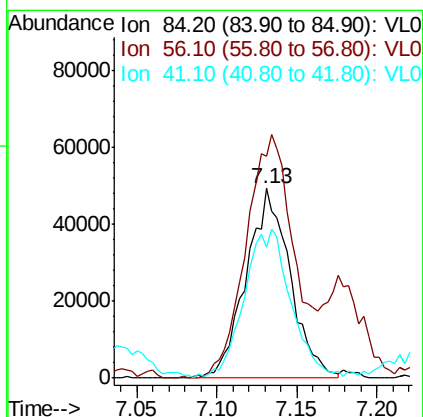
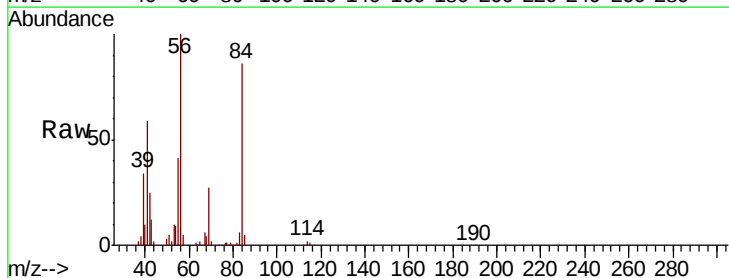
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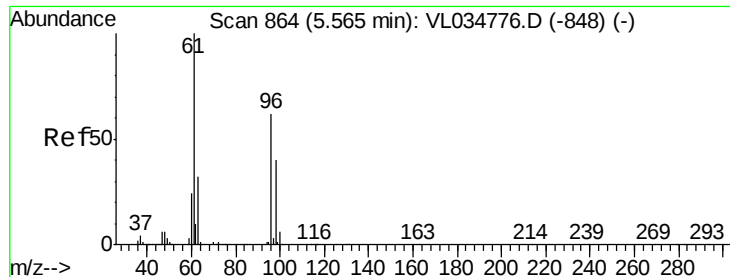
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#30
Cyclohexane
Concen: 1.512 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.03 min
Lab File: VL034835.D
Acq: 7 Mar 2020 4:11

Tgt Ion	Ratio	Lower	Upper
84	100		
56	185.6	113.2	169.8#
41	81.3	70.2	105.4





#31

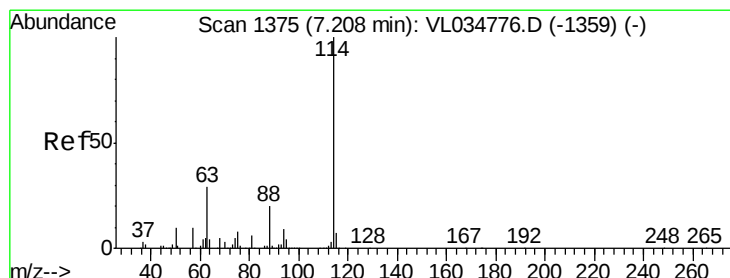
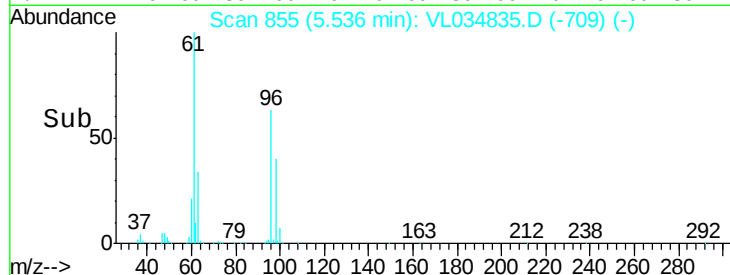
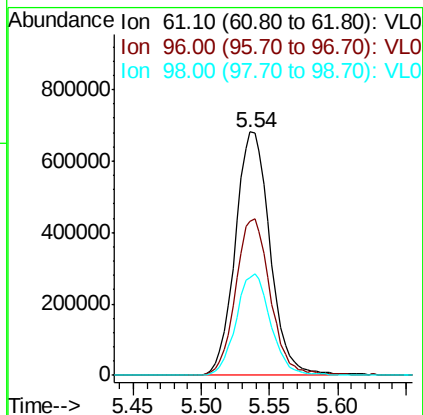
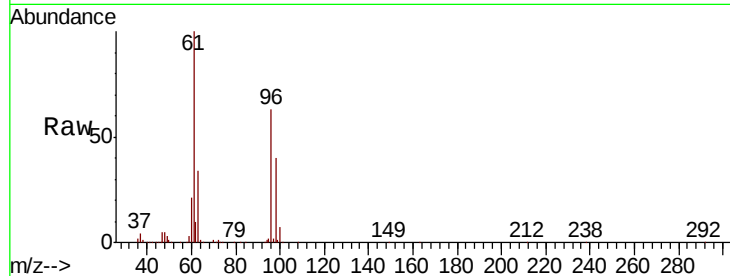
cis-1,2-Dichloroethene
 Concen: 14.706 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. -0.03 min
 Lab File: VL034835.D
 Acq: 7 Mar 2020 4:11

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2-4DL2DUP

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.4	49.7	74.5
98	40.0	31.9	47.9

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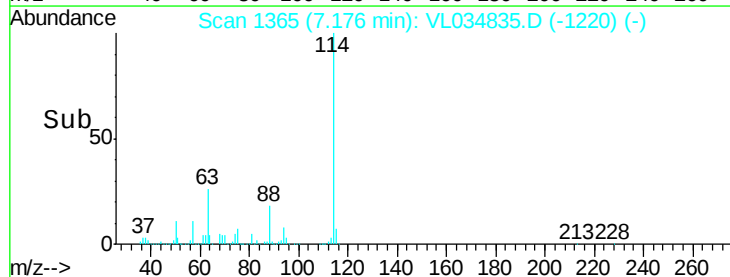
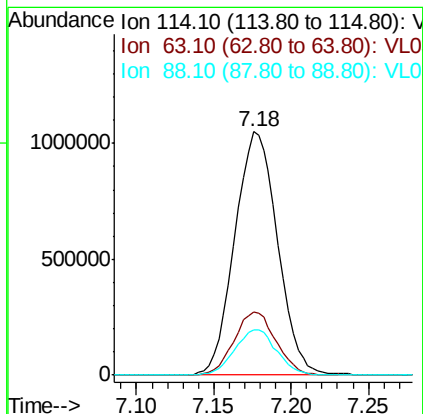
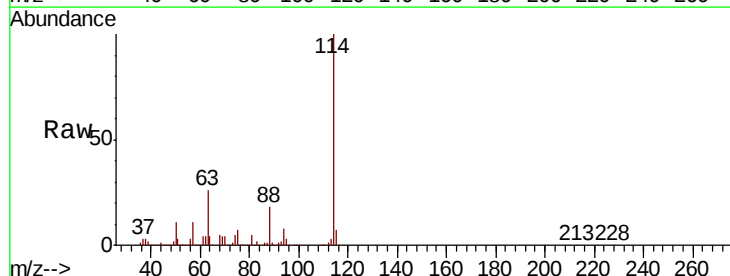
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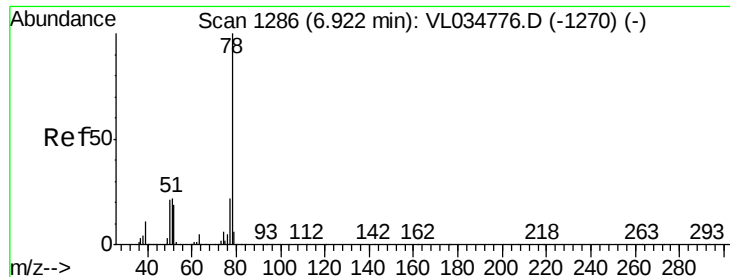


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.03 min
 Lab File: VL034835.D
 Acq: 7 Mar 2020 4:11

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.8	23.6	35.4
88	18.6	15.8	23.8





#36

Benzene

Concen: 0.649 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.03 min

Lab File: VL034835.D

Acq: 7 Mar 2020 4:11

Instrument :

MSVOA_L

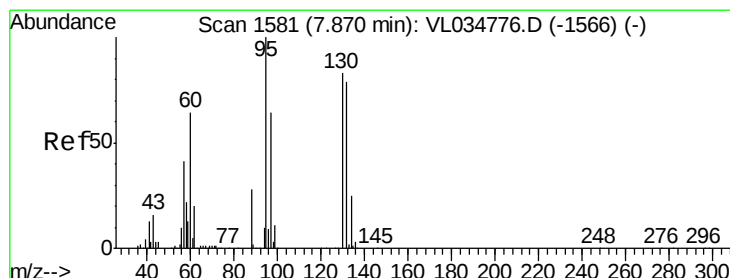
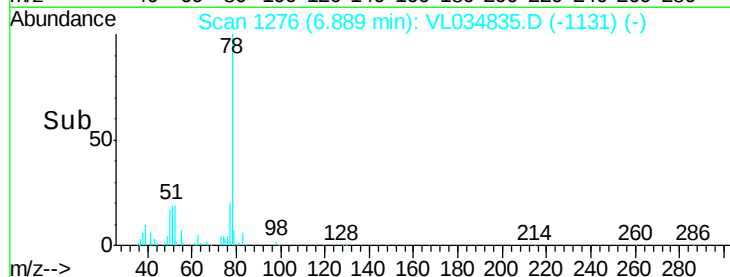
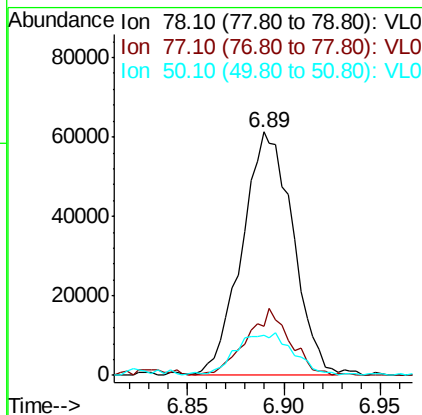
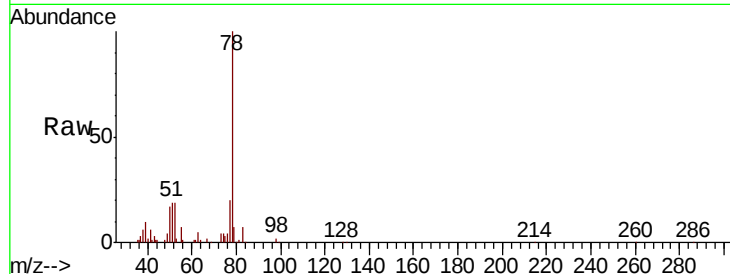
ClientSampleId :

SS-2-4DL2DUP

Tot Ion:	78	Resp:	111946
Ion Ratio	Lower	Upper	
78	100		
77	19.4	18.0	27.0
50	16.3	16.9	25.3#

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#38

Trichloroethene

Concen: 1.763 ppbv

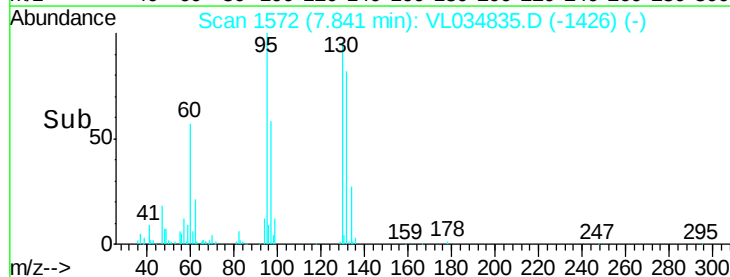
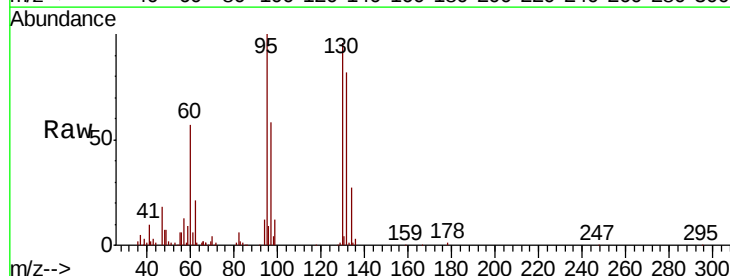
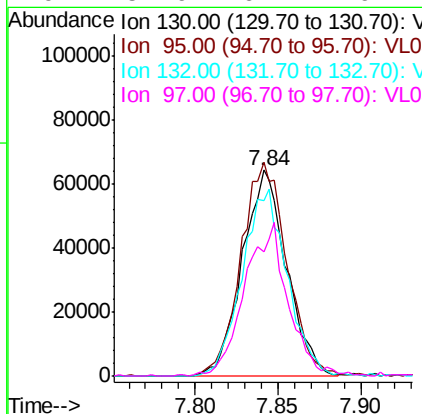
RT: 7.84 min Scan# 1572

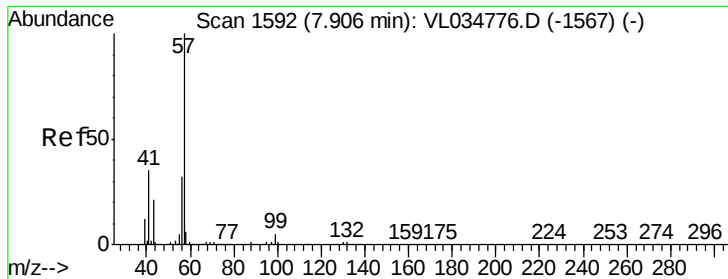
Delta R.T. -0.03 min

Lab File: VL034835.D

Acq: 7 Mar 2020 4:11

Tgt Ion:	130	Resp:	118503
Ion Ratio	Lower	Upper	
130	100		
95	100.1	95.8	143.8
132	83.2	76.1	114.1
97	57.9	61.1	91.7#





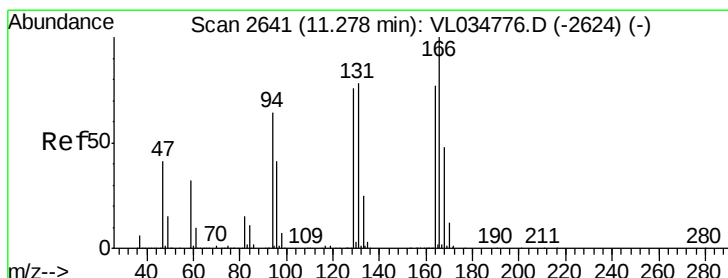
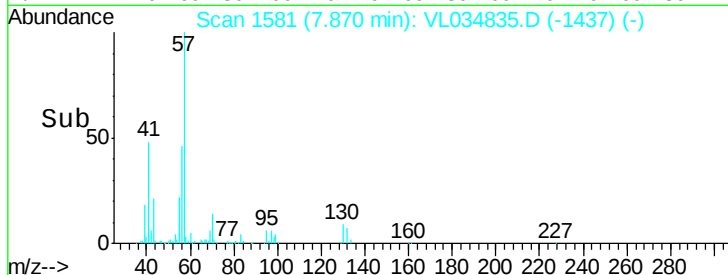
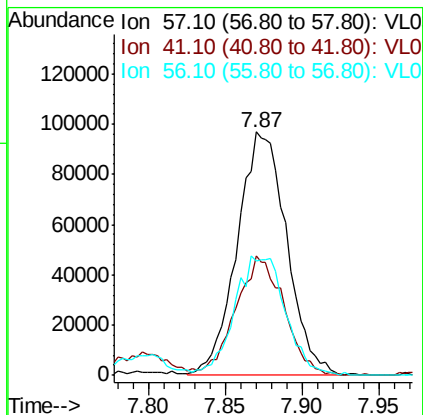
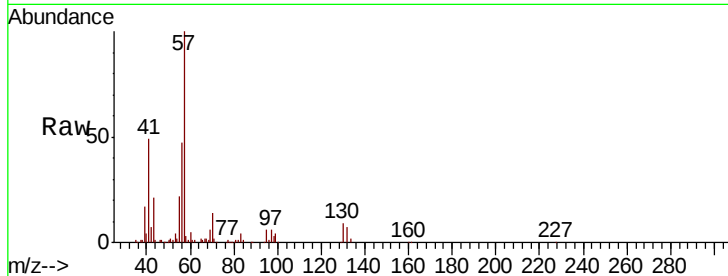
#44
2,2,4-Trimethylpentane
Concen: 0.720 ppbv m
RT: 7.87 min Scan# 1581
Delta R.T. -0.04 min
Lab File: VL034835.D
Acq: 7 Mar 2020 4:11

Instrument :
MSVOA_L
ClientSampleId :
SS-2-4DL2DUP

Tot Ion	Ratio	Lower	Upper
57	100		
41	48.1	27.4	41.0#
56	49.7	25.0	37.6#

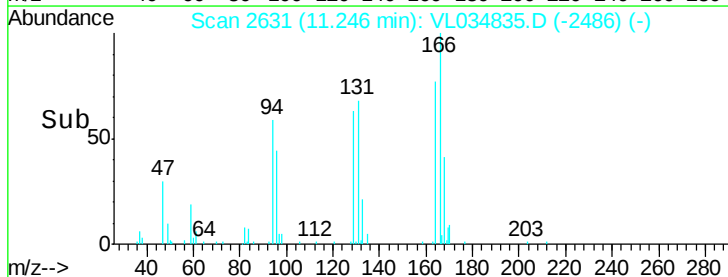
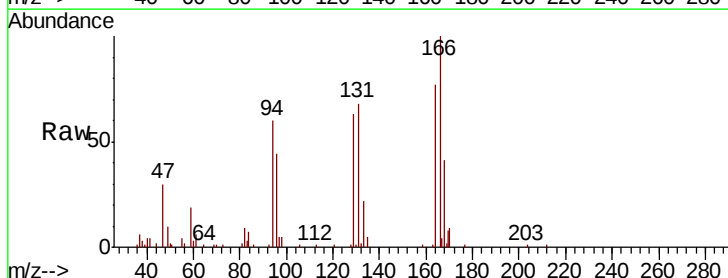
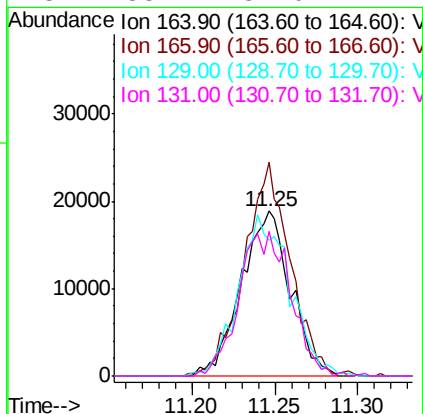
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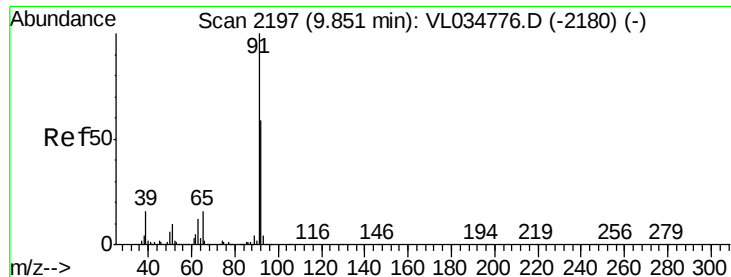
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#52
Tetrachloroethene
Concen: 0.614 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. -0.03 min
Lab File: VL034835.D
Acq: 7 Mar 2020 4:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	103.3	154.9
129	82.2	79.0	118.4
131	88.2	81.0	121.4





#53

Toluene

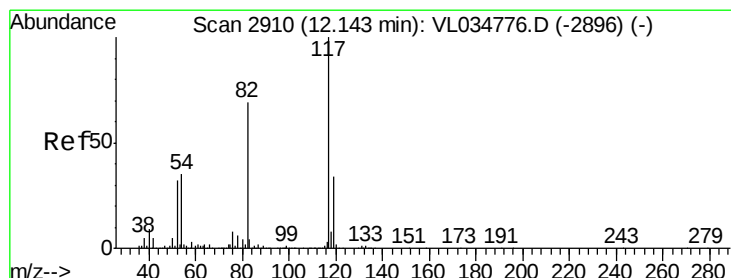
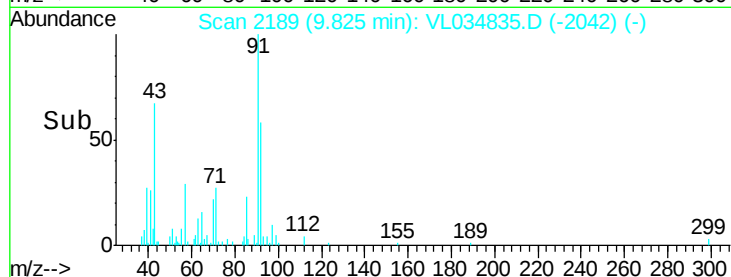
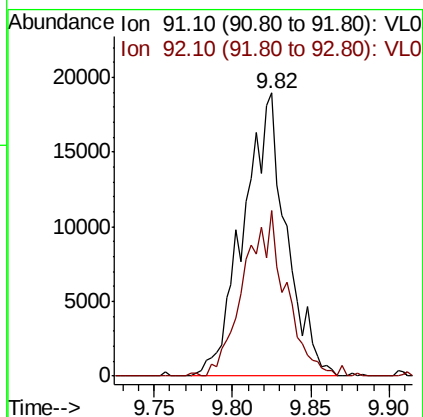
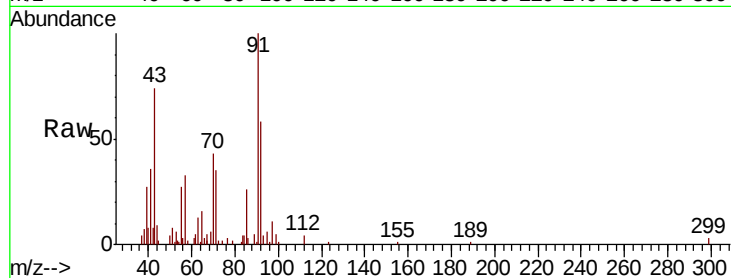
Concen: 0.196 ppbv m
 RT: 9.82 min Scan# 2189
 Delta R.T. -0.03 min
 Lab File: VL034835.D
 Acq: 7 Mar 2020 4:11

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2-4DL2DUP

Tot Ion: 91 Resp: 35759
 Ion Ratio Lower Upper
 91 100
 92 0.0 48.2 72.2#

Manual Integrations
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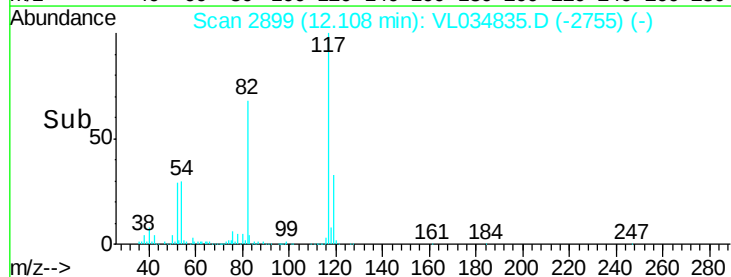
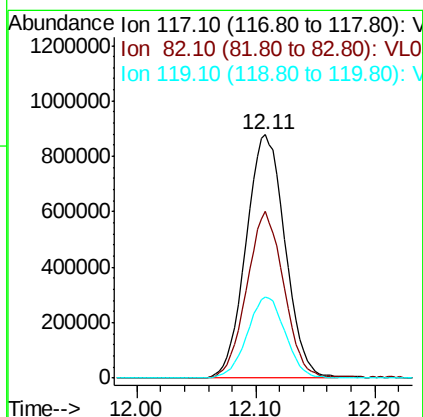
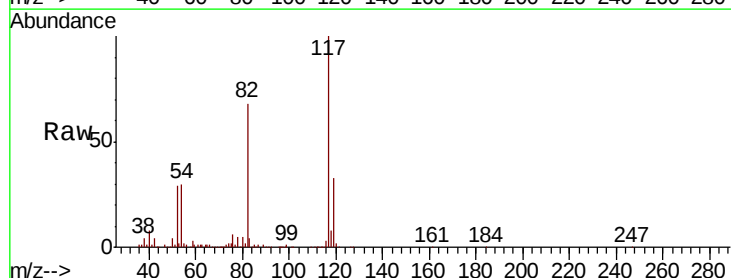


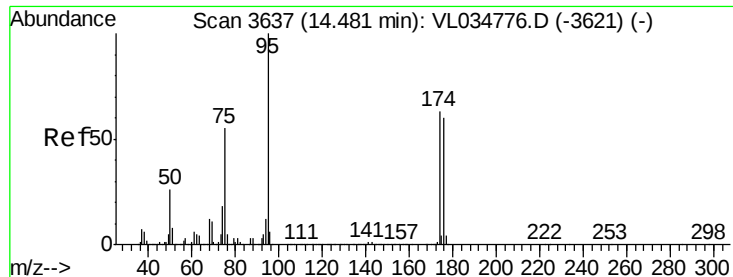
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
 RT: 12.11 min Scan# 2899
 Delta R.T. -0.04 min
 Lab File: VL034835.D
 Acq: 7 Mar 2020 4:11

Tgt Ion: 117 Resp: 1994162
 Ion Ratio Lower Upper
 117 100
 82 65.2 53.9 80.9
 119 32.7 25.0 37.4





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.388 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. -0.03 min
 Lab File: VL034835.D
 Acq: 7 Mar 2020 4:11

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2-4DL2DUP

Tot Ion	Ratio	Lower	Upper
95	100		
174	70.5	50.6	76.0
175	5.5	3.8	5.6

Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 9:21:36 AM

