

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020321\
 Data File : VL036299.D
 Acq On : 3 Feb 2021 18:35
 Operator : SY/AP
 Sample : M1295-03 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-DDC-INTERMEDIATE-2

Manual Integrations
 APPROVED

Quant Time: Feb 04 01:47:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.690	49	1609235	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.198	114	3331996	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.118	117	3080181	10.00	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.449	95	2592844	10.17	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.031	41	13838	0.15	ppbv	92
13) Ethanol	3.632	45	59458m	4.02	ppbv	
15) Acetone	3.874	43	117850	0.60	ppbv #	73
20) Methylene Chloride	4.359	84	90731m	1.44	ppbv	
26) Hexane	5.713	57	48901	0.30	ppbv #	43
34) 2-Butanone	5.276	43	89543	0.36	ppbv #	89
53) Toluene	9.838	91	100454m	0.29	ppbv	

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

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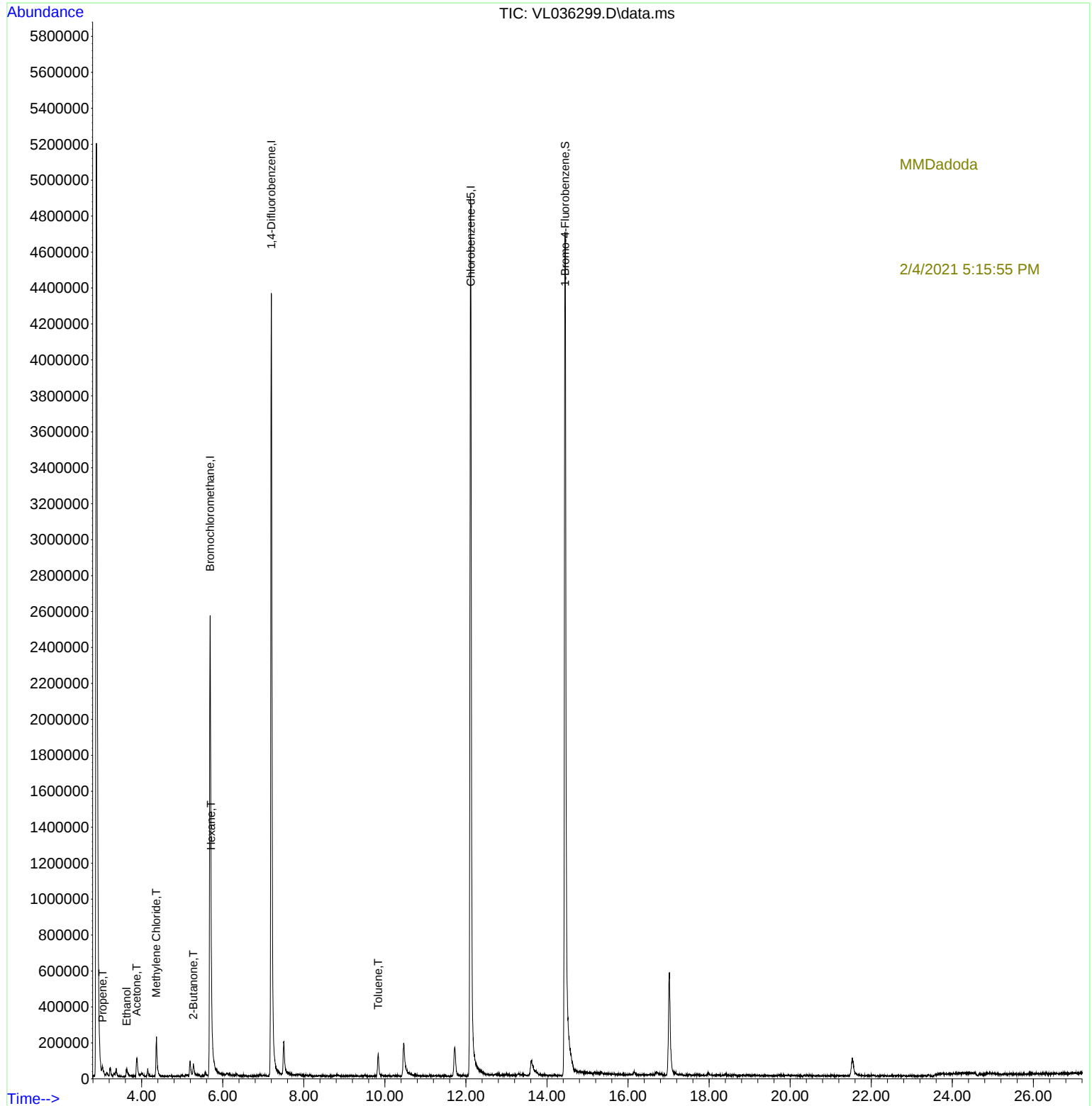
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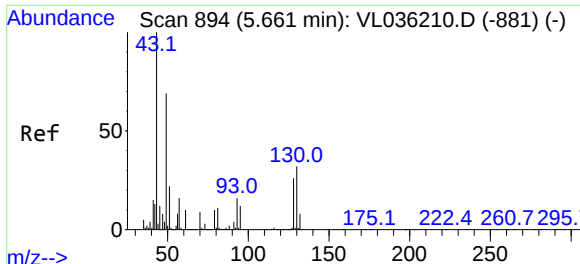
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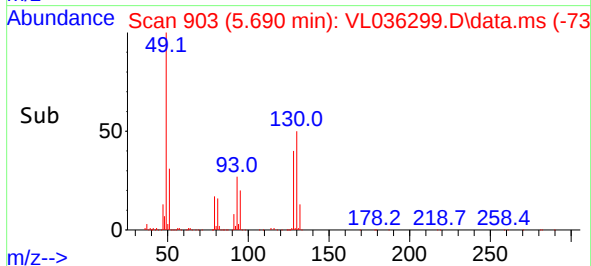
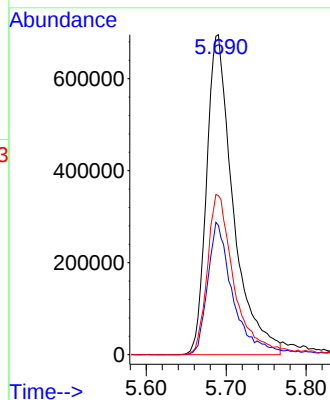
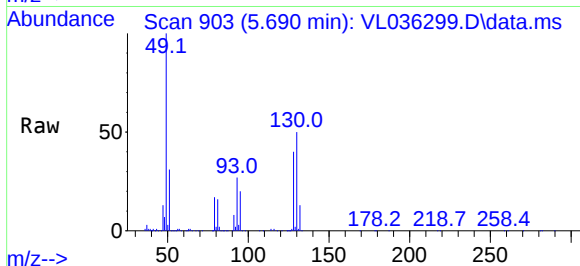


#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.690 min Scan# 903
Delta R.T. 0.029 min
Lab File: VL036299.D
Acq: 3 Feb 2021 18:35

Tgt Ion: 49 Resp: 1609235
Ion Ratio Lower Upper
49 100
128 41.2 20.1 60.2
130 51.6 25.3 75.9

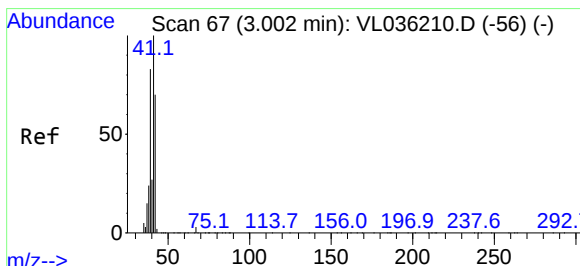
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MSVOA_L
ClientSampleId :
OFFSITE-DDC-INTERMEDIATE-2

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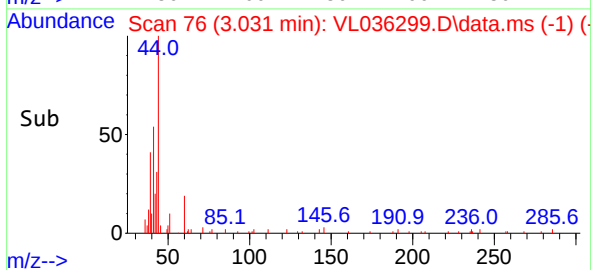
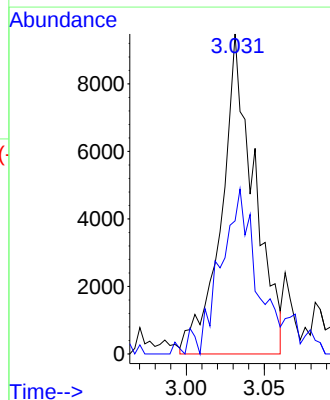
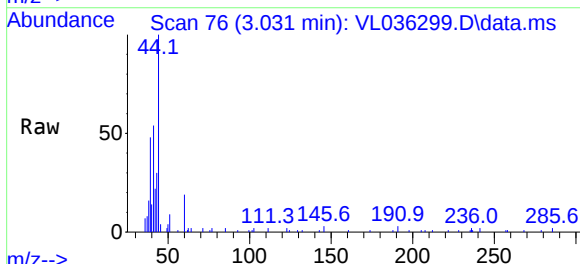
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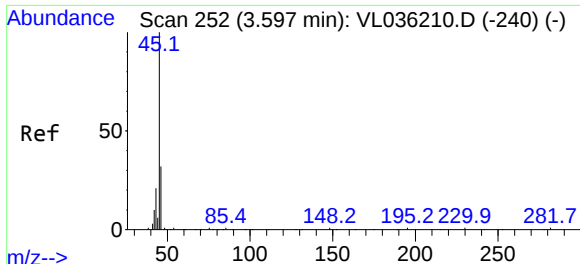
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#9
Propene
Concen: 0.15 ppbv
RT: 3.031 min Scan# 76
Delta R.T. 0.029 min
Lab File: VL036299.D
Acq: 3 Feb 2021 18:35

Tgt Ion: 41 Resp: 13838
Ion Ratio Lower Upper
41 100
42 65.2 57.1 85.7



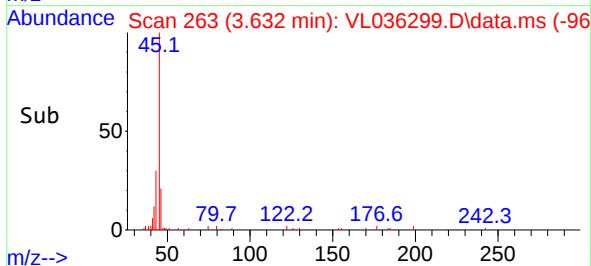
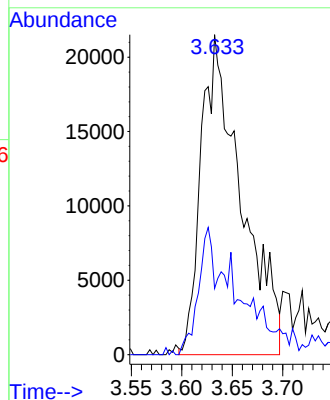
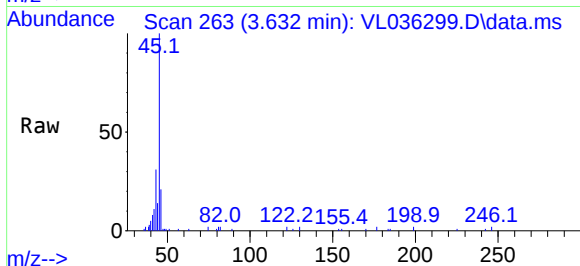


#13
Ethanol
Concen: 4.02 ppbv m
RT: 3.632 min Scan# 263
Delta R.T. 0.035 min
Lab File: VL036299.D
Acq: 3 Feb 2021 18:35

Tgt Ion: 45 Resp: 59458
Ion Ratio Lower Upper
45 100
46 43.3 19.2 77.0

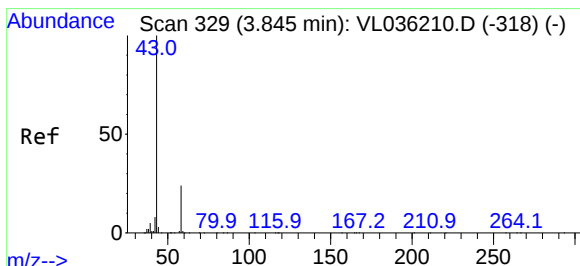
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ClientSampleId :
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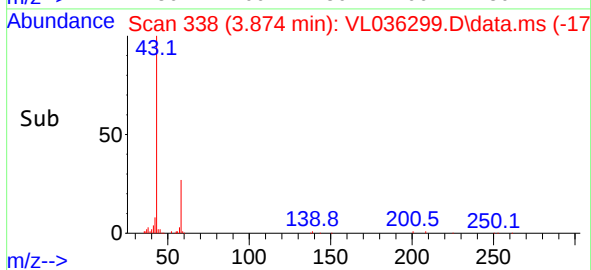
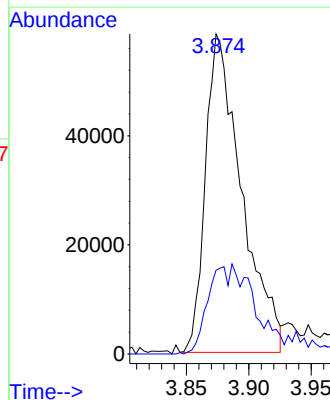
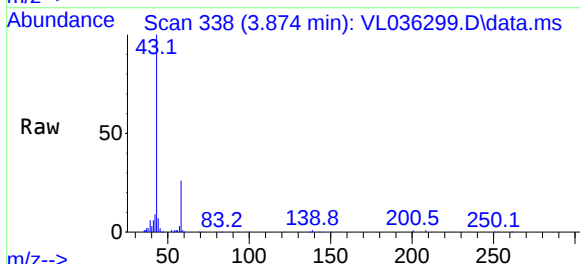
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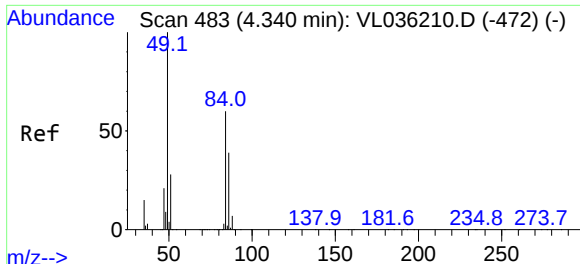
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#15
Acetone
Concen: 0.60 ppbv
RT: 3.874 min Scan# 338
Delta R.T. 0.029 min
Lab File: VL036299.D
Acq: 3 Feb 2021 18:35

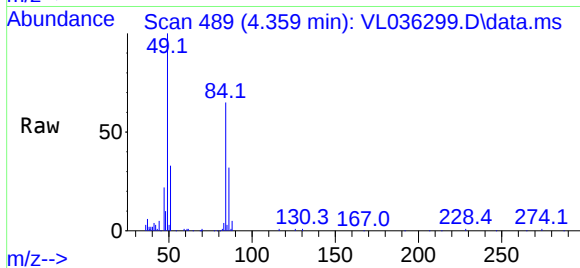
Tgt Ion: 43 Resp: 117850
Ion Ratio Lower Upper
43 100
58 40.0 20.9 31.3#





#20
Methylene Chloride
Concen: 1.44 ppbv m
RT: 4.359 min Scan# 489
Delta R.T. 0.019 min
Lab File: VL036299.D
Acq: 3 Feb 2021 18:35

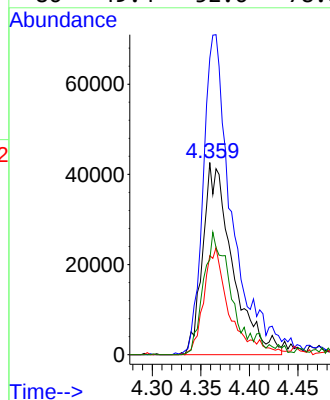
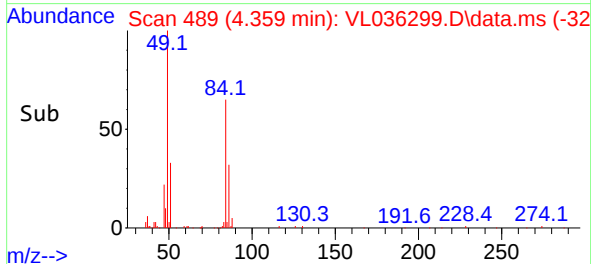
Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INTERMEDIATE-2



Tgt Ion: 84 Resp: 90731

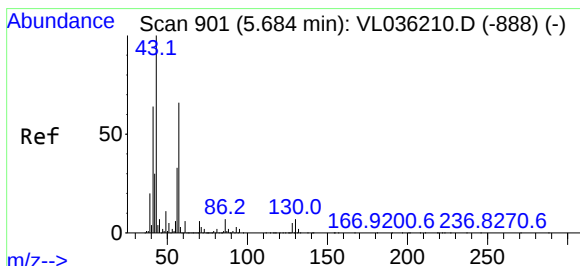
Ion	Ratio	Lower	Upper
84	100		
49	154.3	134.1	201.1
51	51.5	37.4	56.0
86	49.4	52.6	78.8#

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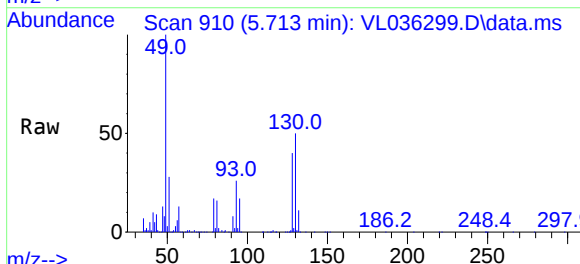


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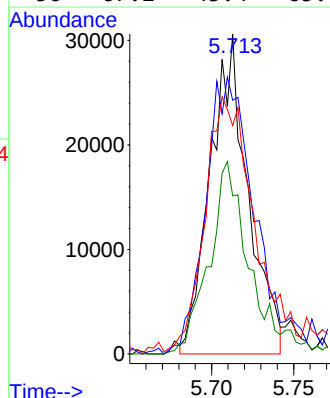
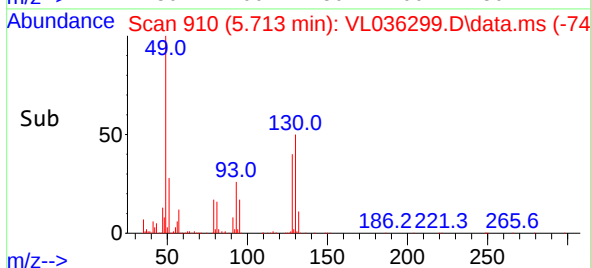


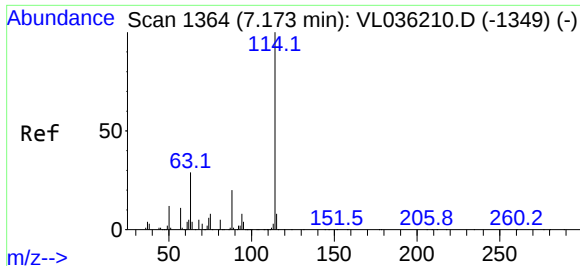
#26
Hexane
Concen: 0.30 ppbv
RT: 5.713 min Scan# 910
Delta R.T. 0.029 min
Lab File: VL036299.D
Acq: 3 Feb 2021 18:35



Tgt Ion: 57 Resp: 48901

Ion	Ratio	Lower	Upper
57	100		
41	118.7	83.0	124.6
43	107.9	202.4	303.6#
56	67.2	43.4	65.0#



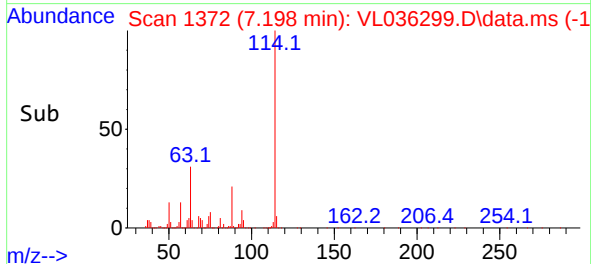
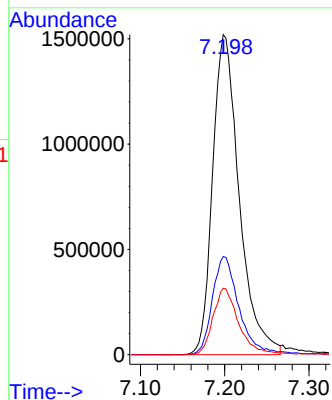
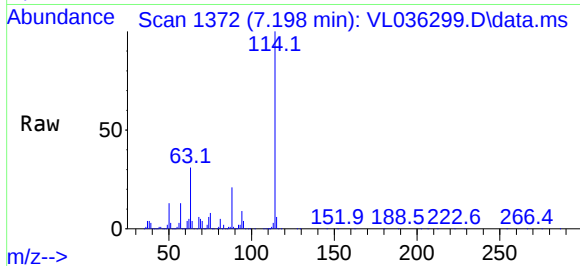


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.198 min Scan# 1372
Delta R.T. 0.026 min
Lab File: VL036299.D
Acq: 3 Feb 2021 18:35

Tgt Ion: 114 Resp: 3331996
Ion Ratio Lower Upper
114 100
63 31.3 24.7 37.1
88 20.5 16.6 24.8

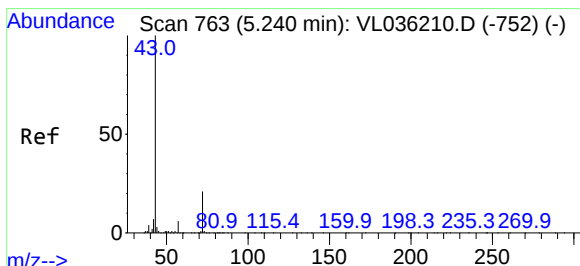
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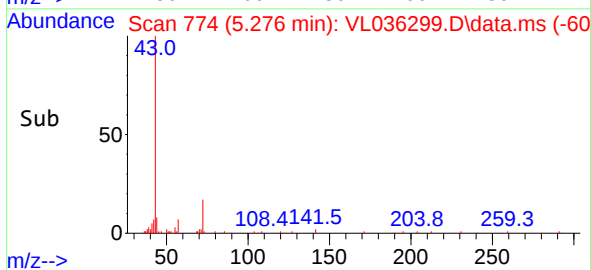
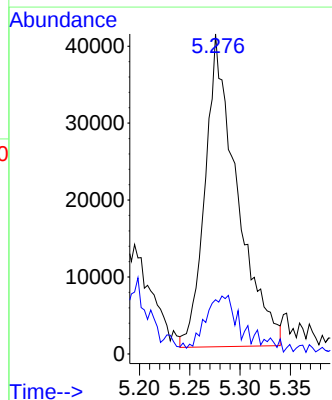
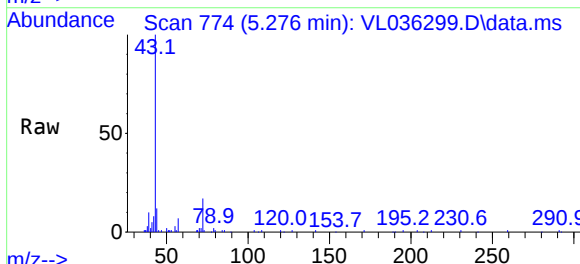
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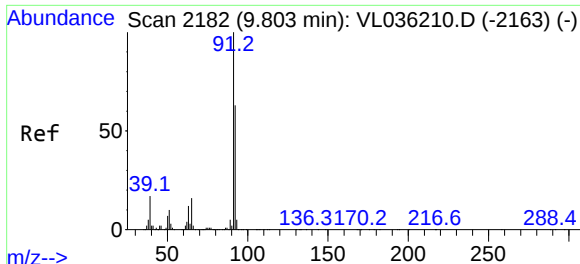
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#34
2-Butanone
Concen: 0.36 ppbv
RT: 5.276 min Scan# 774
Delta R.T. 0.035 min
Lab File: VL036299.D
Acq: 3 Feb 2021 18:35

Tgt Ion: 43 Resp: 89543
Ion Ratio Lower Upper
43 100
72 25.0 16.1 24.1#



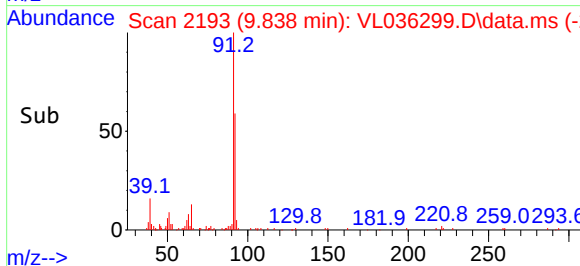
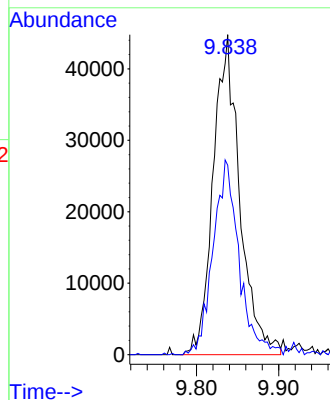
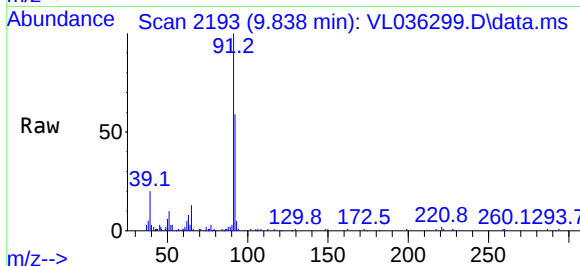


#53
Toluene
Concen: 0.29 ppbv m
RT: 9.838 min Scan# 2193
Delta R.T. 0.035 min
Lab File: VL036299.D
Acq: 3 Feb 2021 18:35

Tgt Ion: 91 Resp: 100454
Ion Ratio Lower Upper
91 100
92 59.3 48.5 72.7

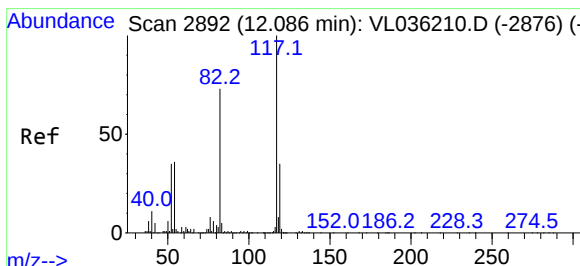
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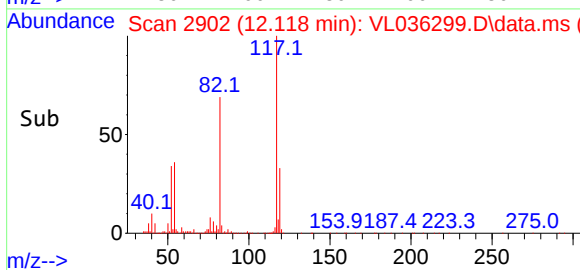
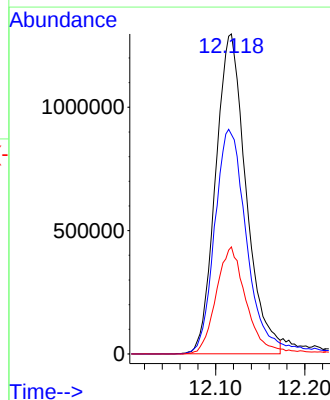
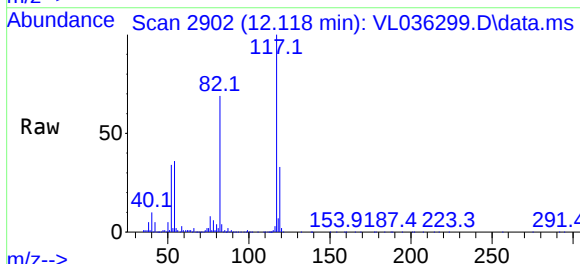
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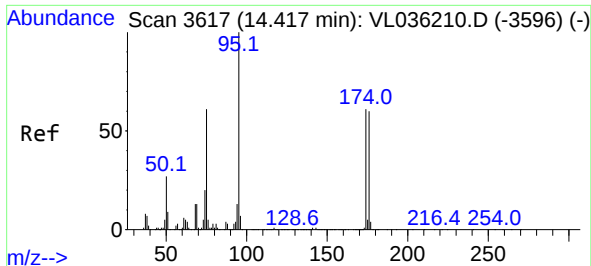
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#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.118 min Scan# 2902
Delta R.T. 0.032 min
Lab File: VL036299.D
Acq: 3 Feb 2021 18:35

Tgt Ion: 117 Resp: 3080181
Ion Ratio Lower Upper
117 100
82 76.0 59.7 89.5
119 34.4 28.6 43.0





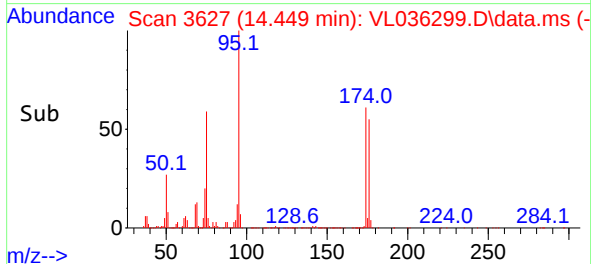
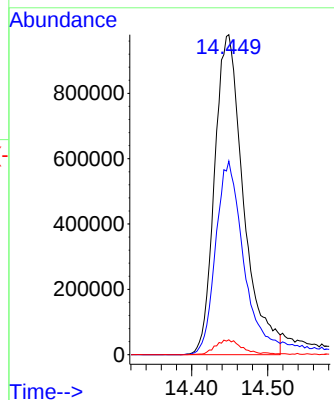
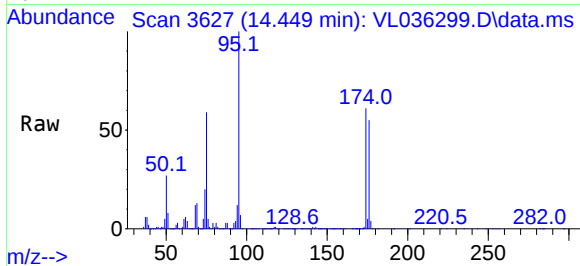
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.17 ppbv
 RT: 14.449 min Scan# 3627
 Delta R.T. 0.032 min
 Lab File: VL036299.D
 Acq: 3 Feb 2021 18:35

Tgt Ion: 95 Resp: 2592844

Ion	Ratio	Lower	Upper
95	100		
174	64.2	49.4	74.0
175	4.5	3.8	5.8

Instrument :
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