

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060221\
 Data File : VL037112.D
 Acq On : 2 Jun 2021 22:14
 Operator : SY/AP
 Sample : M2548-13
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SGS-2A

Manual Integrations
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Quant Time: Jun 03 07:23:30 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1395371	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3998106	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3493508	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2573572	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	76083	0.321	ppbv	99
3) Chlorodifluoromethane	2.98	51	95240	0.373	ppbv #	87
4) Chloromethane	3.13	50	57638	0.663	ppbv #	88
9) Propene	3.01	41	73600	0.804	ppbv #	78
11) Trichlorofluoromethane	3.94	101	133284	0.608	ppbv	93
13) Ethanol	3.60	45	557722	45.665	ppbv	94
15) Acetone	3.84	43	2908829	20.352	ppbv	97
19) Isopropyl Alcohol	3.99	45	108890m	1.417	ppbv	
20) Methylene Chloride	4.33	84	2627397	34.295	ppbv	97
26) Hexane	5.67	57	263278	1.501	ppbv #	46
34) 2-Butanone	5.24	43	88688m	0.609	ppbv	

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

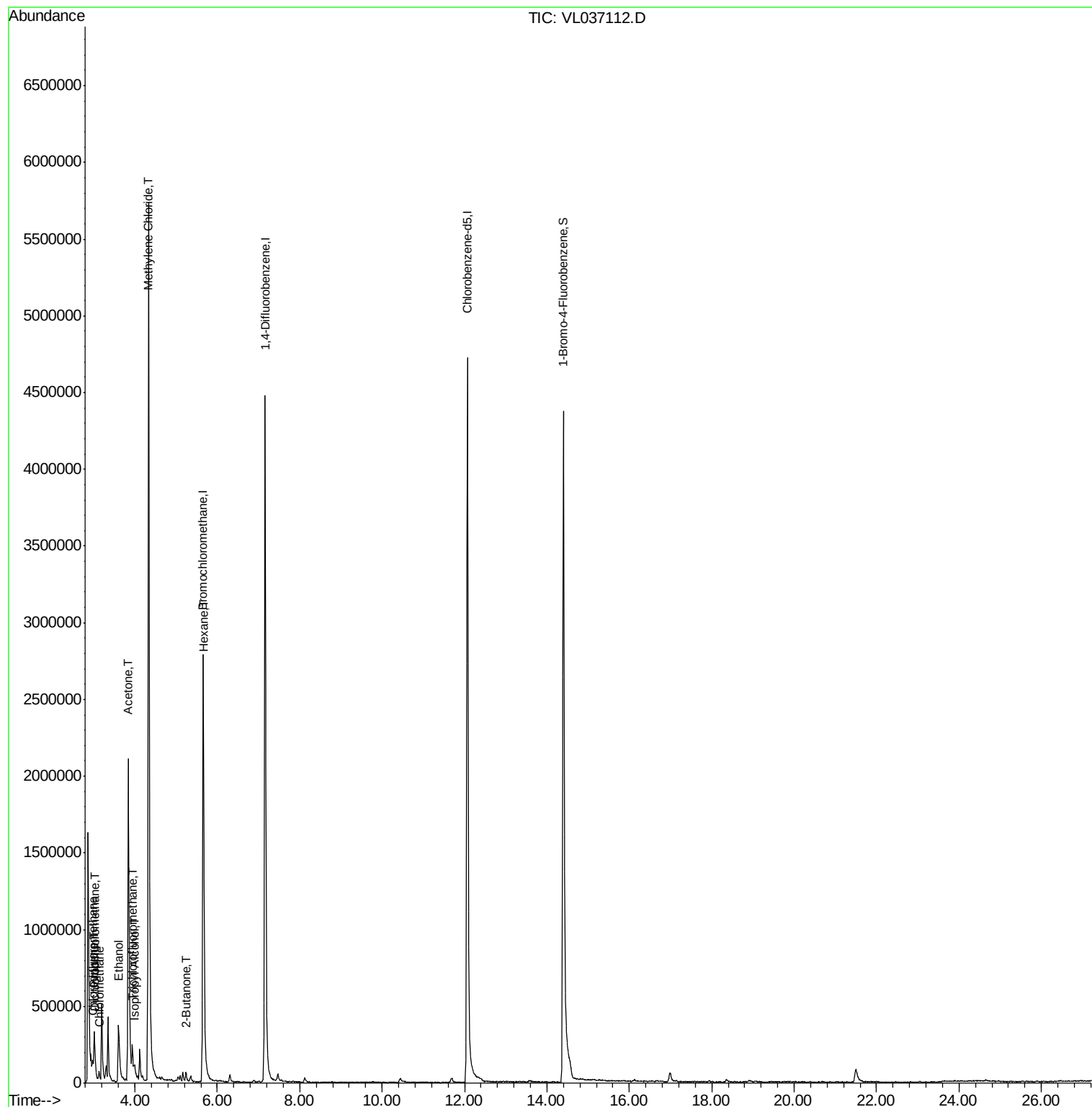
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Data File : VL037112.D
Acq On : 2 Jun 2021 22:14
Operator : SY/AP
Sample : M2548-13
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

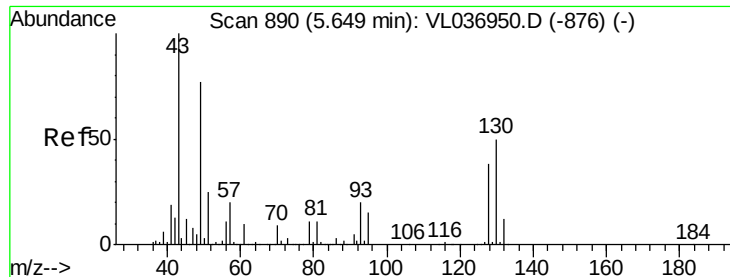
Instrument :
MSVOA_L
ClientSampleId :
SGS-2A

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Quant Time: Jun 03 07:23:30 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue May
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.01 min

Lab File: VL037112.D

Acq: 2 Jun 2021 22:14

Instrument :

MSVOA_L

ClientSampleId :

SGS-2A

Tot Ion: 49 Resp: 1395371

Ion Ratio Lower Upper

49 100

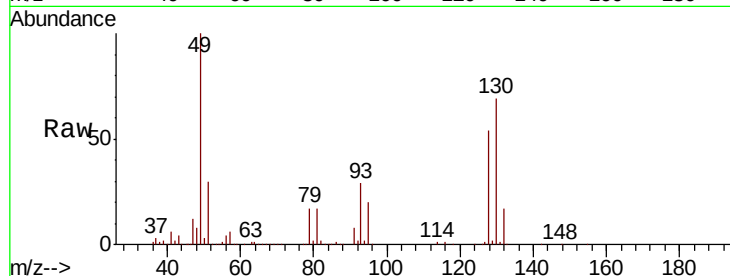
128 55.1 26.9 80.7

130 72.8 33.8 101.4

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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

800000

600000

400000

200000

0

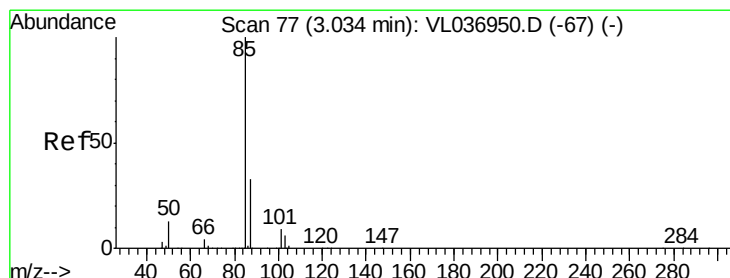
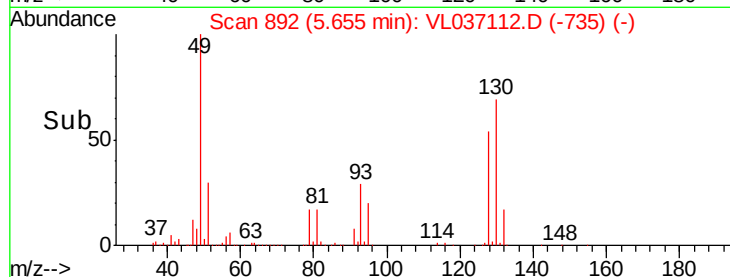
5.65

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.321 ppbv

RT: 3.04 min Scan# 78

Delta R.T. 0.00 min

Lab File: VL037112.D

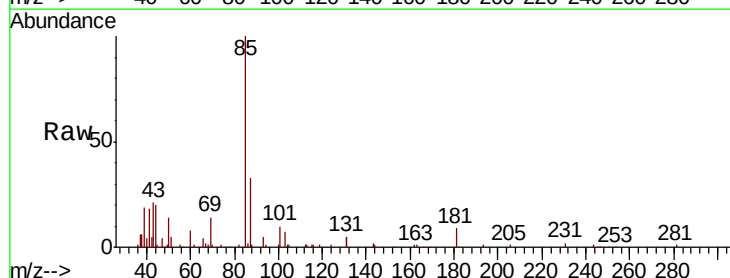
Acq: 2 Jun 2021 22:14

Tgt Ion: 85 Resp: 76083

Ion Ratio Lower Upper

85 100

87 32.8 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

50000

40000

30000

20000

10000

0

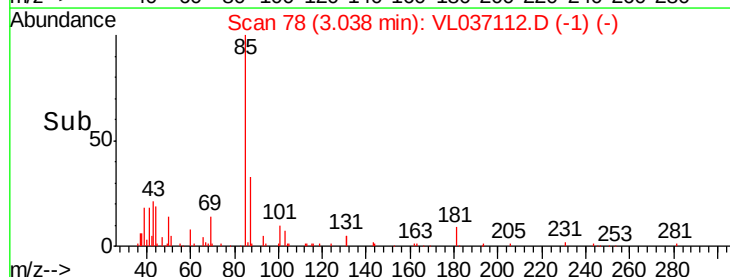
3.04

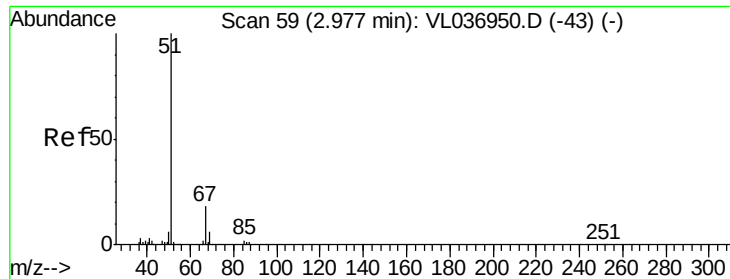
3.00

3.05

3.10

Time-->





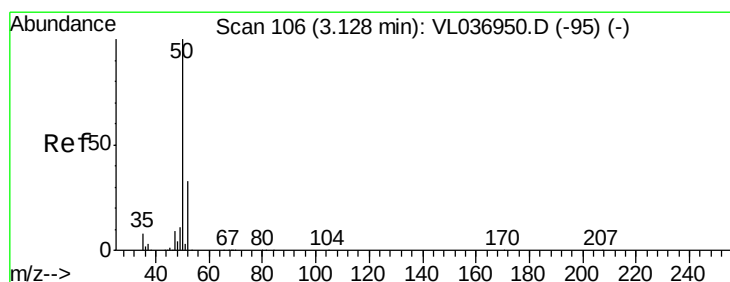
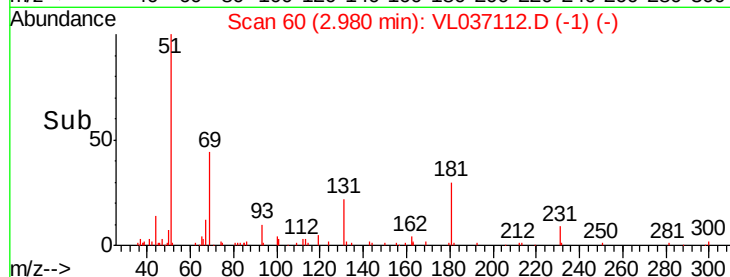
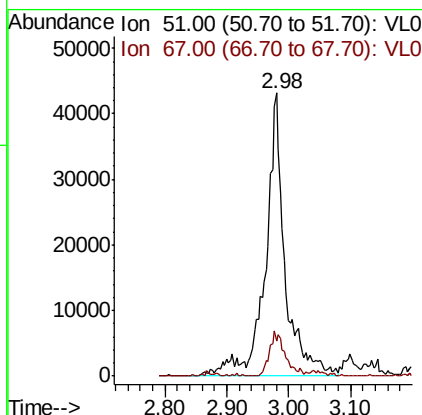
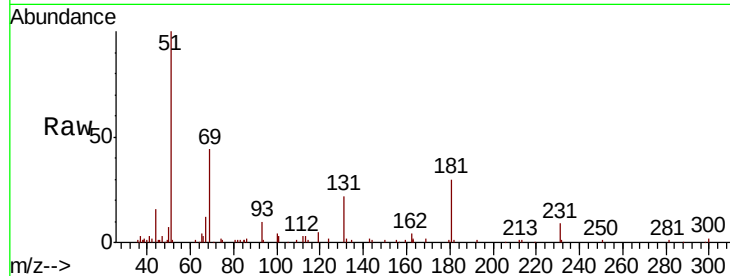
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Chlorodifluoromethane
Concen: 0.373 ppbv
RT: 2.98 min Scan# 60
Delta R.T. 0.00 min
Lab File: VL037112.D
Acq: 2 Jun 2021 22:14

Instrument :
MSVOA_L
ClientSampled :
SGS-2A

Tot Ion: 51 Resp: 95240
Ion Ratio Lower Upper
51 100
67 12.6 14.6 21.8#

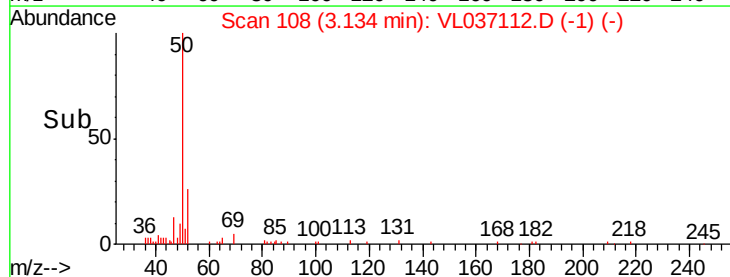
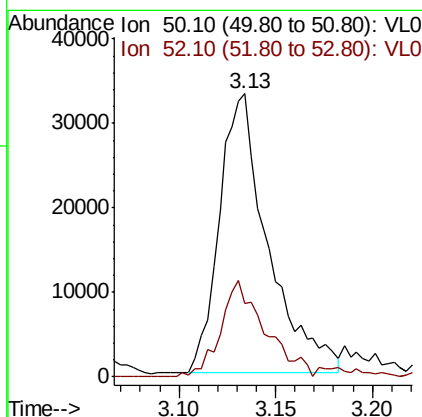
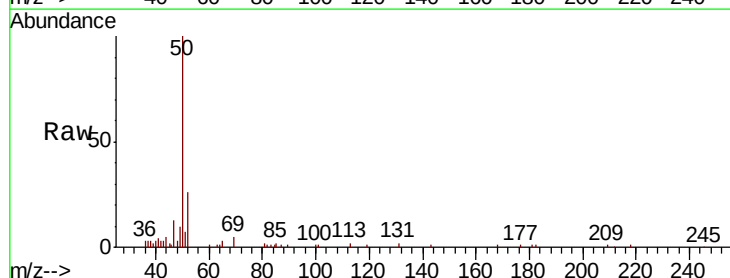
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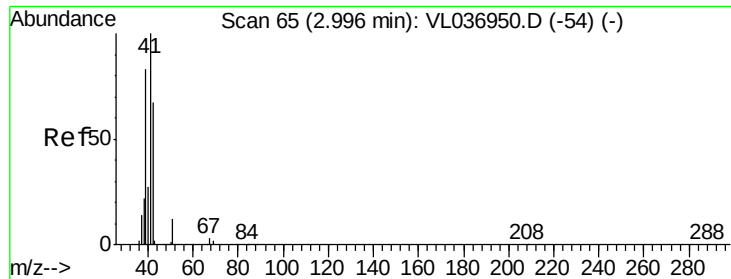
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#4
Chloromethane
Concen: 0.663 ppbv
RT: 3.13 min Scan# 108
Delta R.T. 0.01 min
Lab File: VL037112.D
Acq: 2 Jun 2021 22:14

Tgt Ion: 50 Resp: 57638
Ion Ratio Lower Upper
50 100
52 26.1 26.1 39.1#





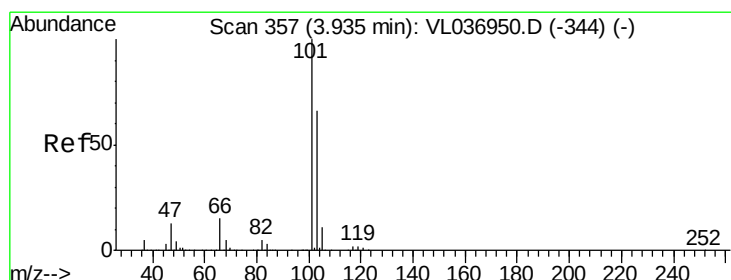
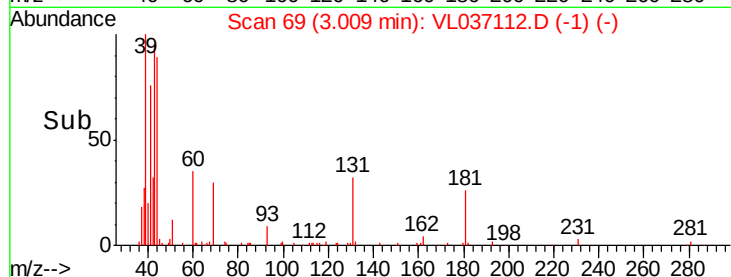
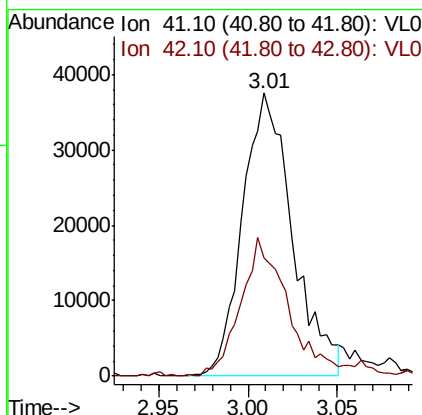
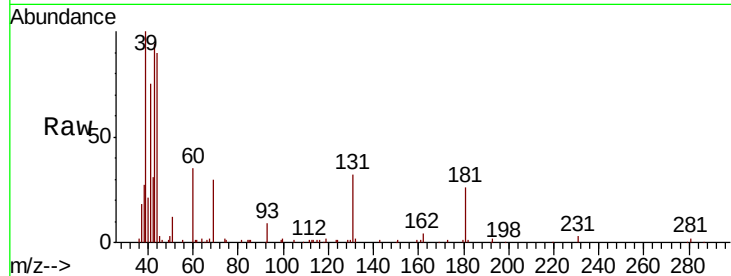
#9
 Propene
 Concen: 0.804 ppbv
 RT: 3.01 min Scan# 69
 Delta R.T. 0.01 min
 Lab File: VL037112.D
 Acq: 2 Jun 2021 22:14

Instrument :
 MSVOA_L
 ClientSampleId :
 SGS-2A

Tot Ion: 41 Resp: 73600
 Ion Ratio Lower Upper
 41 100
 42 49.8 53.9 80.9#

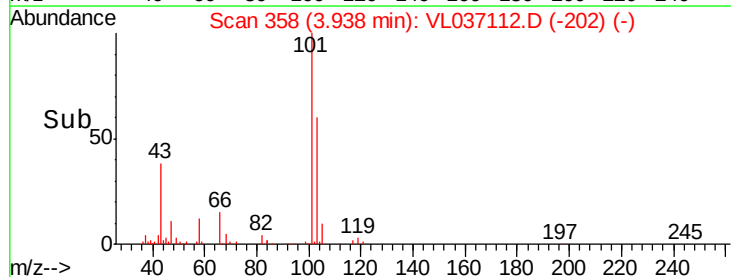
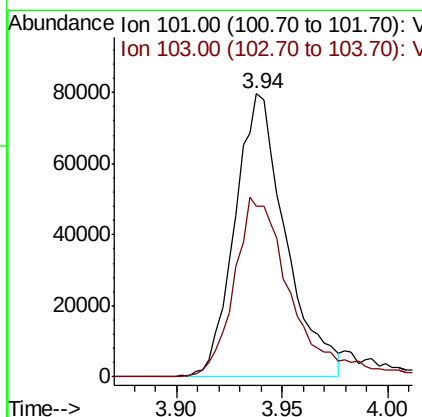
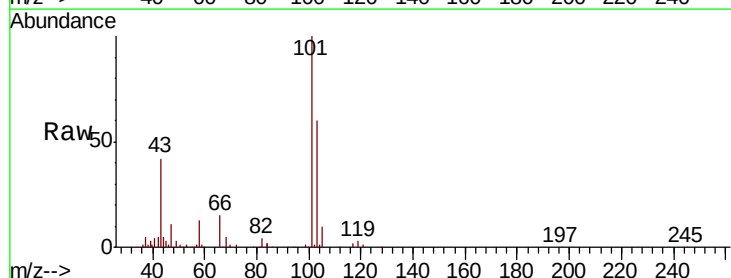
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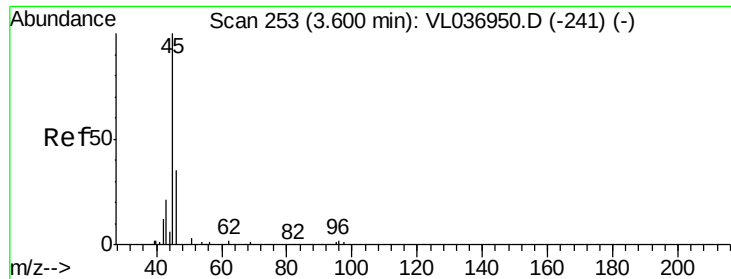
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#11
 Trichlorofluoromethane
 Concen: 0.608 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VL037112.D
 Acq: 2 Jun 2021 22:14

Tgt Ion: 101 Resp: 133284
 Ion Ratio Lower Upper
 101 100
 103 59.9 52.6 79.0





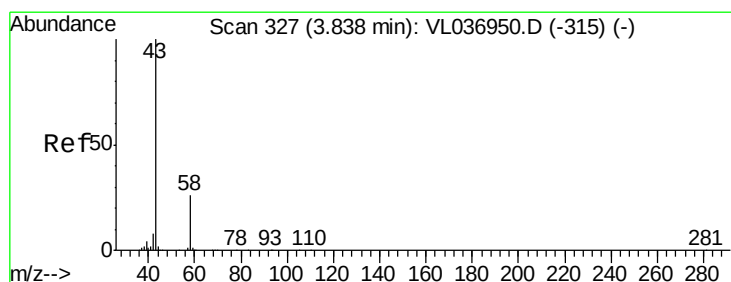
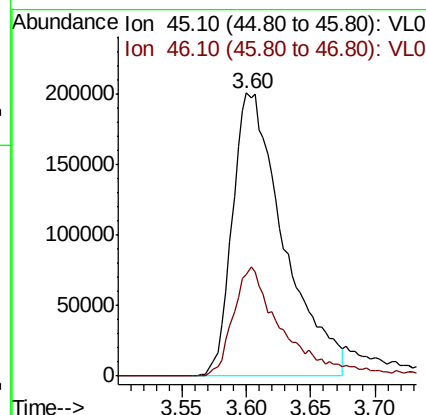
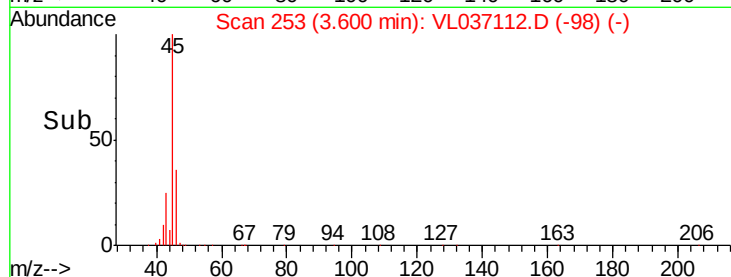
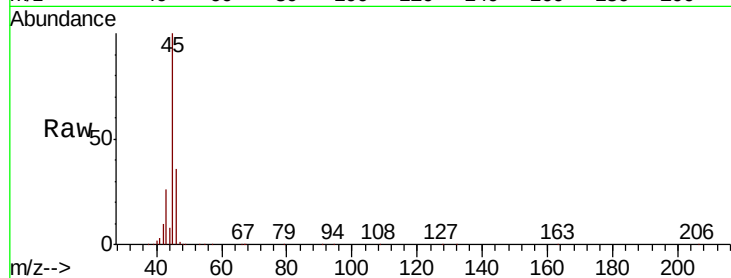
#13
Ethanol
Concen: 45.665 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL037112.D
Acq: 2 Jun 2021 22:14

Instrument :
MSVOA_L
ClientSampleId :
SGS-2A

Tot Ion	45	Resp	557722
Ion Ratio	100	Lower	Upper
45	100		
46	37.4	16.3	65.3

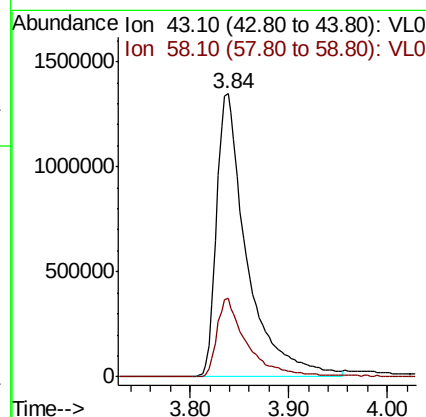
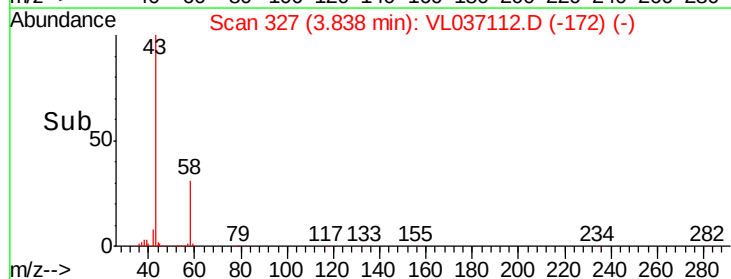
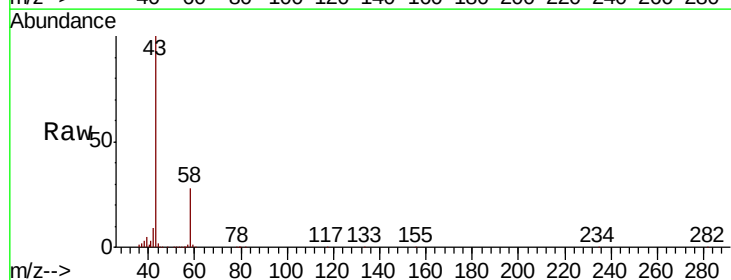
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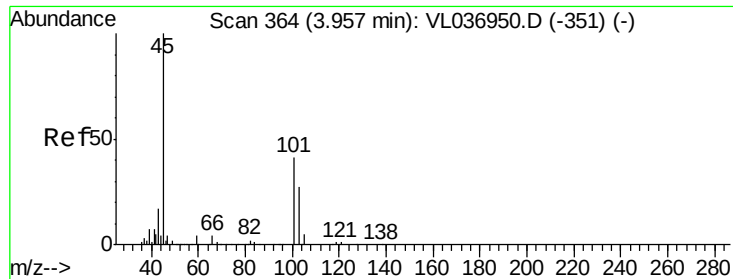
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#15
Acetone
Concen: 20.352 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.00 min
Lab File: VL037112.D
Acq: 2 Jun 2021 22:14

Tgt Ion	43	Resp	2908829
Ion Ratio	100	Lower	Upper
43	100		
58	28.3	24.0	36.0





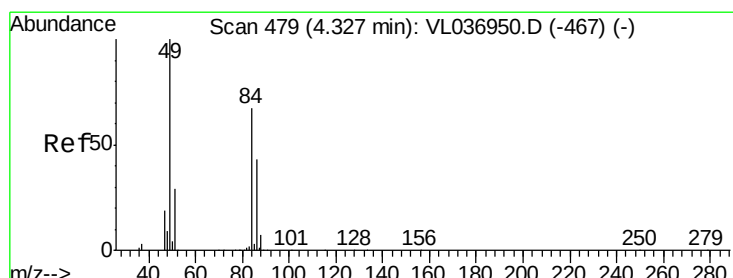
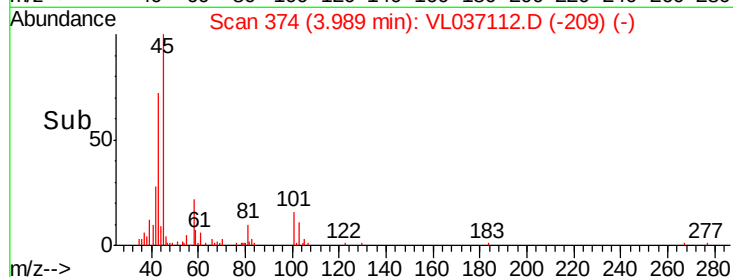
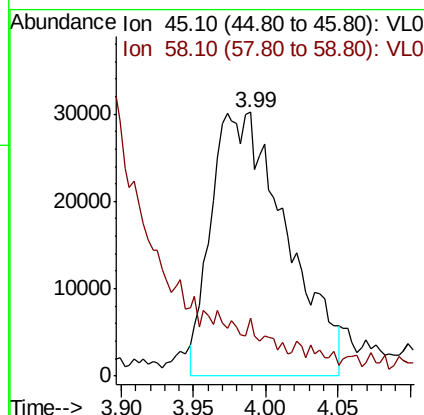
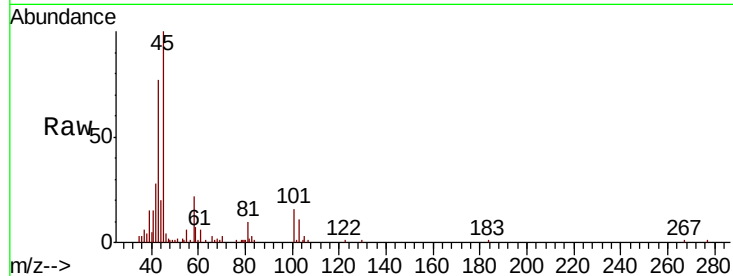
#19
Isopropyl Alcohol
Concen: 1.417 ppbv m
RT: 3.99 min Scan# 374
Delta R.T. 0.03 min
Lab File: VL037112.D
Acq: 2 Jun 2021 22:14

Instrument :
MSVOA_L
ClientSampleId :
SGS-2A

Tot Ion: 45 Resp: 108890
Ion Ratio Lower Upper
45 100
58 0.0 37.2 55.8#

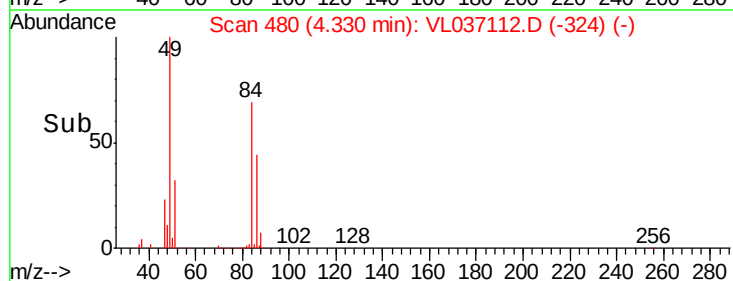
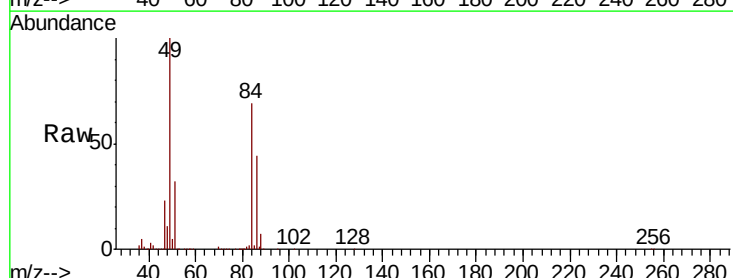
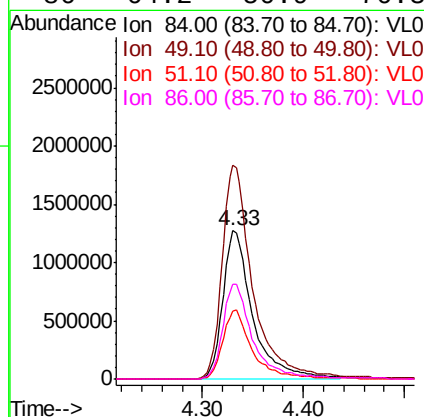
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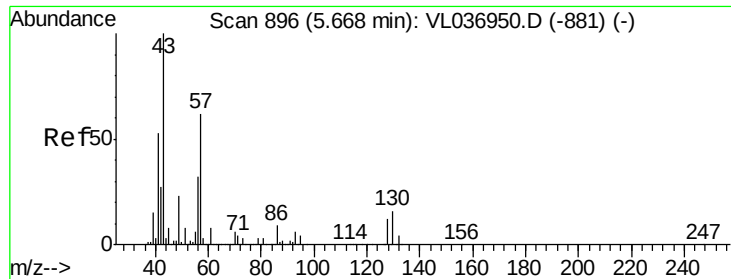
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#20
Methylene Chloride
Concen: 34.295 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL037112.D
Acq: 2 Jun 2021 22:14

Tgt Ion: 84 Resp: 2627397
Ion Ratio Lower Upper
84 100
49 144.4 119.8 179.6
51 46.0 35.1 52.7
86 64.2 50.9 76.3





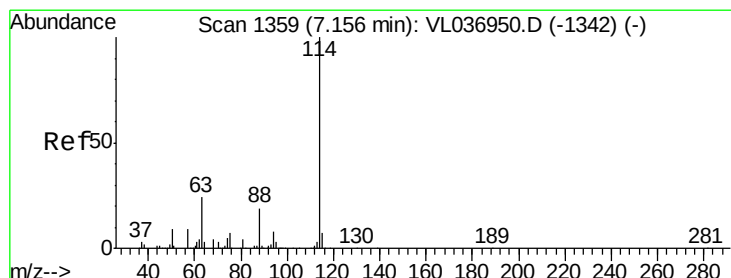
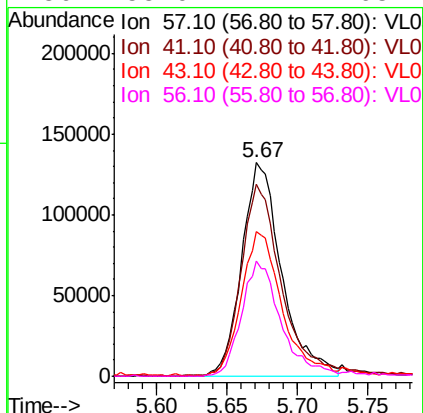
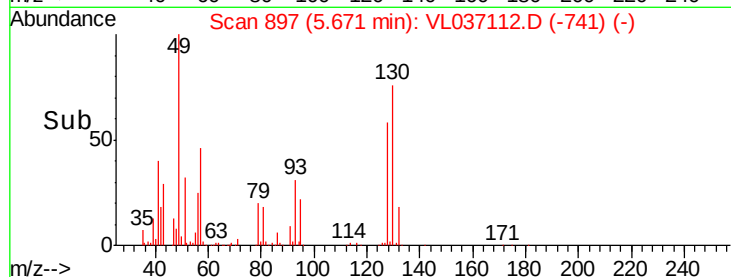
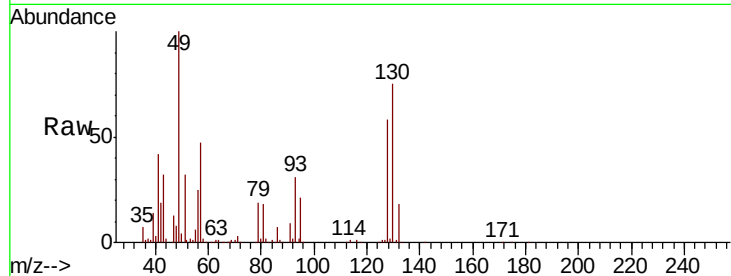
#26
Hexane
Concen: 1.501 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL037112.D
Acq: 2 Jun 2021 22:14

Instrument :
MSVOA_L
ClientSampleId :
SGS-2A

Tot Ion	Ratio	Lower	Upper
57	100		
41	93.7	70.5	105.7
43	71.8	165.8	248.8#
56	55.0	42.2	63.4

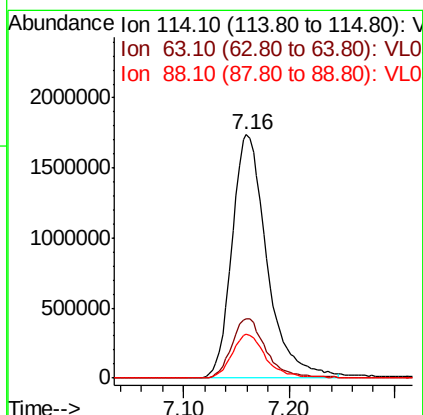
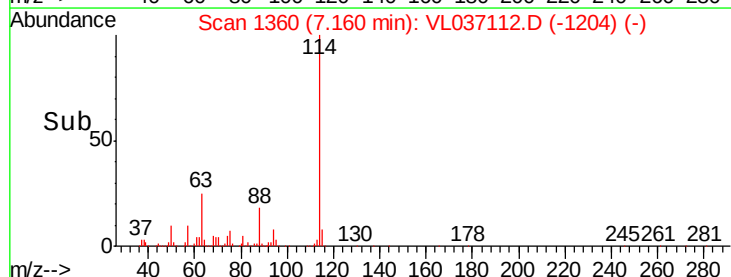
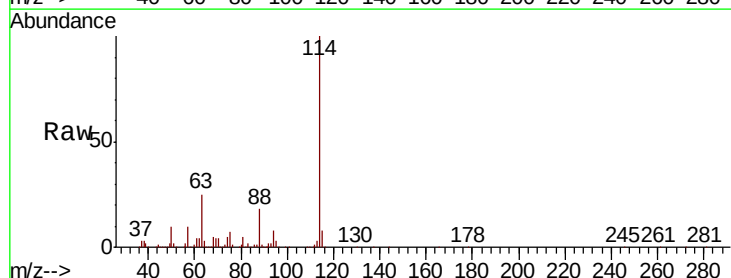
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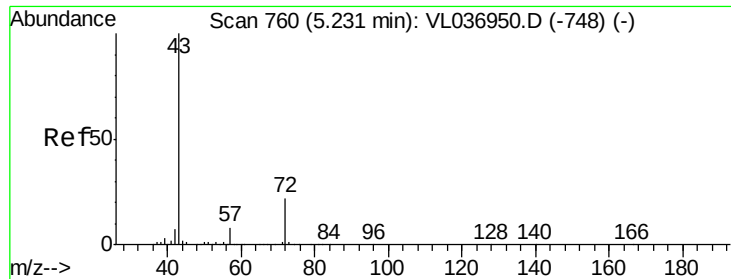
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VL037112.D
Acq: 2 Jun 2021 22:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.6	29.4
88	17.9	14.6	21.8





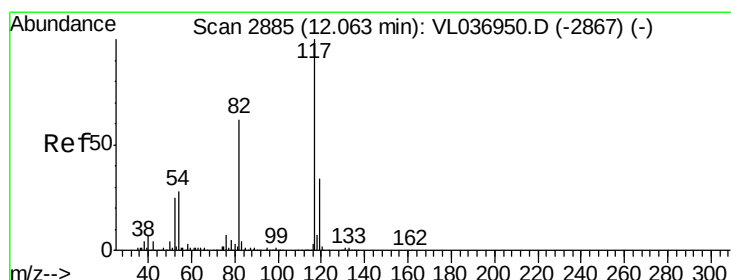
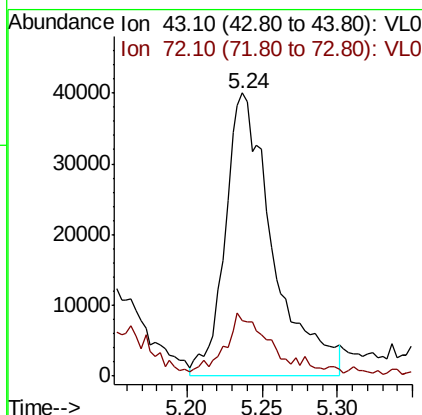
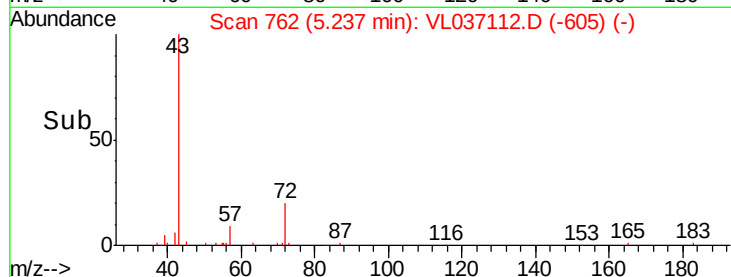
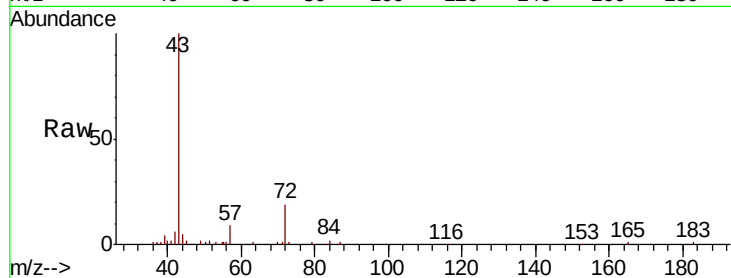
#34
2-Butanone
Concen: 0.609 ppbv m
RT: 5.24 min Scan# 762
Delta R.T. 0.01 min
Lab File: VL037112.D
Acq: 2 Jun 2021 22:14

Instrument :
MSVOA_L
ClientSampleId :
SGS-2A

Tot Ion: 43 Resp: 88688
Ion Ratio Lower Upper
43 100
72 24.6 19.0 28.4

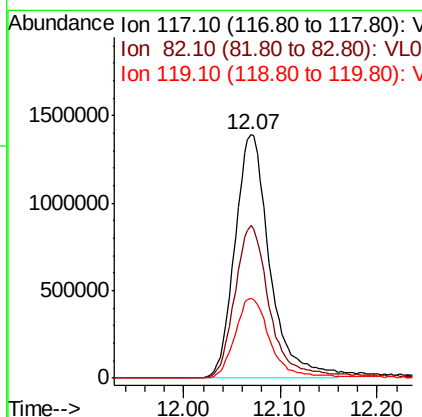
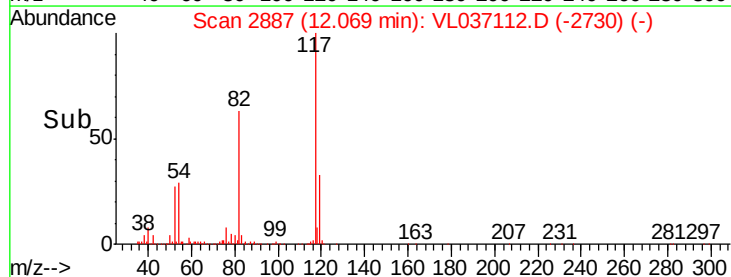
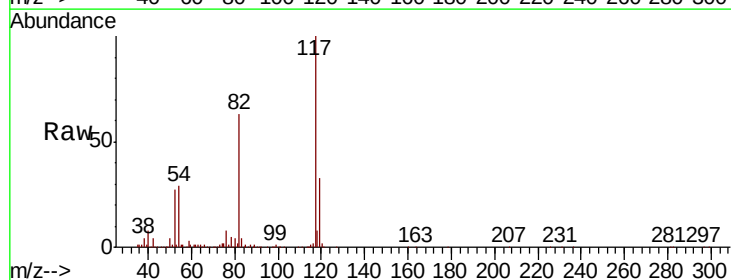
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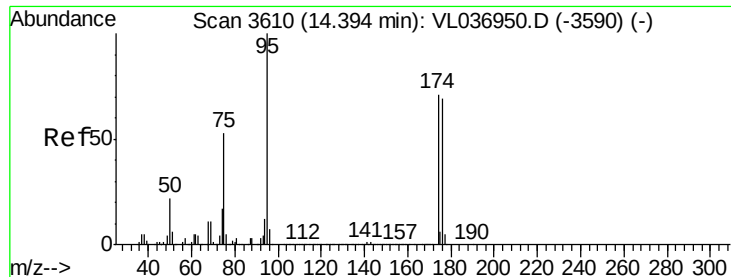
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. 0.01 min
Lab File: VL037112.D
Acq: 2 Jun 2021 22:14

Tgt Ion: 117 Resp: 3493508
Ion Ratio Lower Upper
117 100
82 64.0 52.6 79.0
119 33.9 46.6 70.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.806 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. 0.01 min

Lab File: VL037112.D

Acq: 2 Jun 2021 22:14

Instrument :

MSVOA_L

ClientSampleId :

SGS-2A

Tot Ion: 95 Resp: 2573572

Ion Ratio Lower Upper

95 100

174 74.5 58.4 87.6

175 5.1 4.4 6.6

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