

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031425\
 Data File : VL042147.D
 Acq On : 14 Mar 2025 15:56
 Operator : SY/MD
 Sample : QC031225 CAN 10300
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC031225 CAN 10300

Quant Time: Mar 14 23:19:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

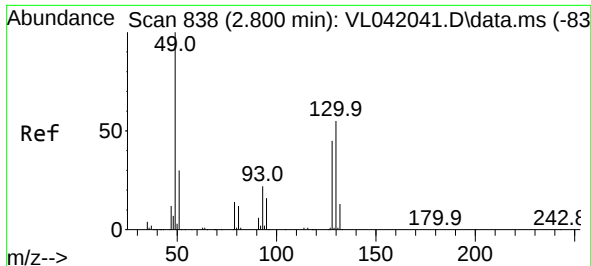
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.787	49	162321	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.959	114	367986	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.882	117	305276	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	238048	10.136	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	= 101.400%	
Target Compounds						
					Qvalue	
9) Propene	1.483	41	351	0.037	ppbv #	15
13) Ethanol	1.712	45	425	0.697	ppbv	87
15) Acetone	1.835	43	5565	0.388	ppbv #	86
16) 1,3-Butadiene	1.615	39	231	0.035	ppbv #	40
17) tert-Butyl alcohol	2.043	59	1072	0.060	ppbv #	39
19) Isopropyl Alcohol	1.887	45	2094	0.254	ppbv #	32
20) Methylene Chloride	2.062	84	1539	0.284	ppbv #	71
30) Cyclohexane	3.952	84	1851	0.098	ppbv #	1
34) 2-Butanone	2.564	43	1527	0.053	ppbv #	77
39) 1,2-Dichloropropane	3.955	63	92794	6.346	ppbv #	24
74) 1,2,4-Trimethylbenzene	11.536	105	2565	0.048	ppbv #	64

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

Quant Time: Mar 14 23:19:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

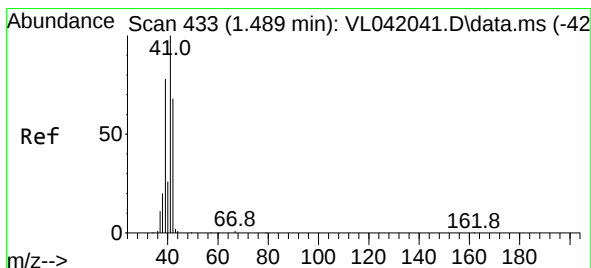
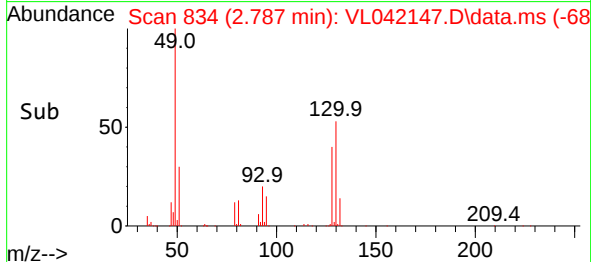
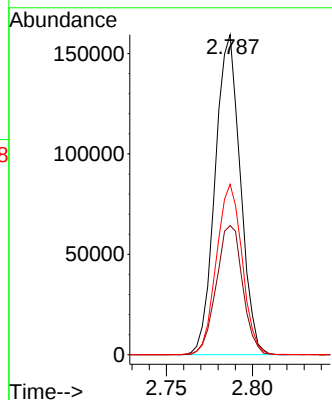
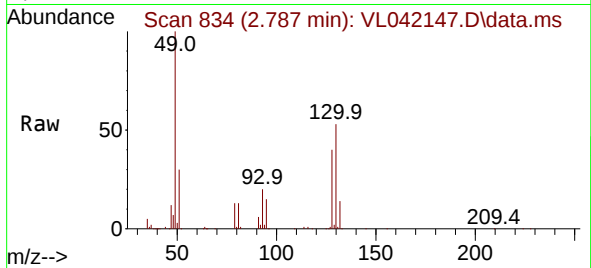




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.013 min
Lab File: VL042147.D
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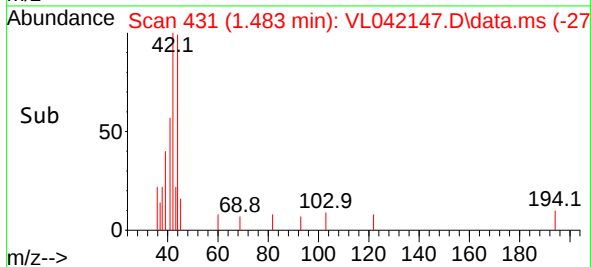
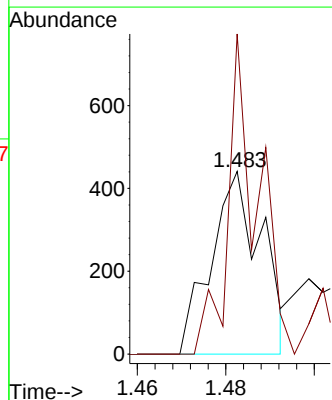
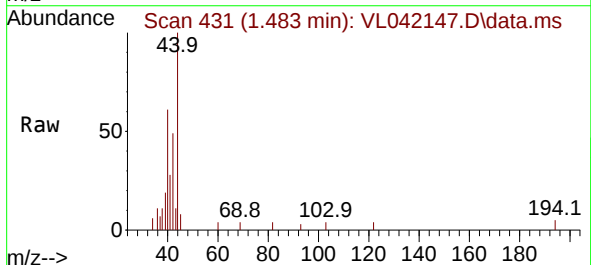
Instrument :
MSVOA_L
ClientSampleId :
QC031225 CAN 10300

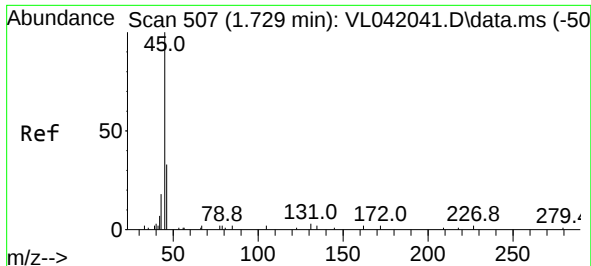
Tgt Ion: 49 Resp: 162321
Ion Ratio Lower Upper
49 100
128 42.2 21.6 64.8
130 54.3 27.8 83.4



#9
Propene
Concen: 0.037 ppbv
RT: 1.483 min Scan# 431
Delta R.T. -0.007 min
Lab File: VL042147.D
Acq: 14 Mar 2025 15:56

Tgt Ion: 41 Resp: 351
Ion Ratio Lower Upper
41 100
42 139.6 55.8 83.6#





#13

Ethanol

Concen: 0.697 ppbv

RT: 1.712 min Scan# 50

Delta R.T. -0.016 min

Lab File: VL042147.D

Acq: 14 Mar 2025 15:56

Instrument :

MSVOA_L

ClientSampleId :

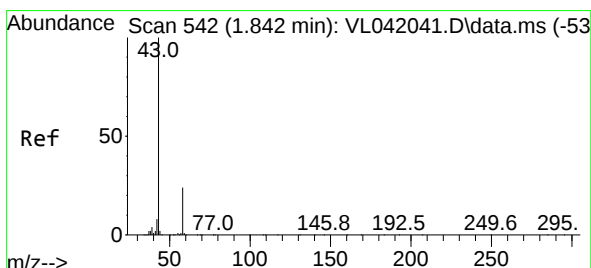
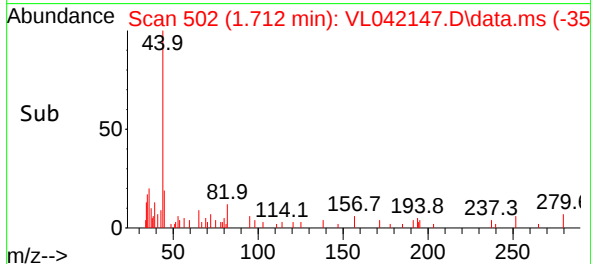
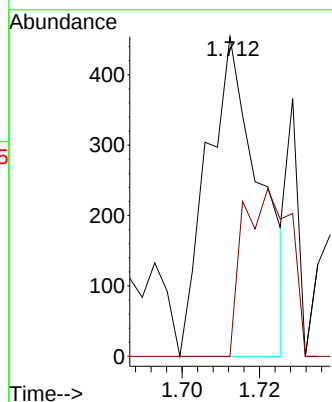
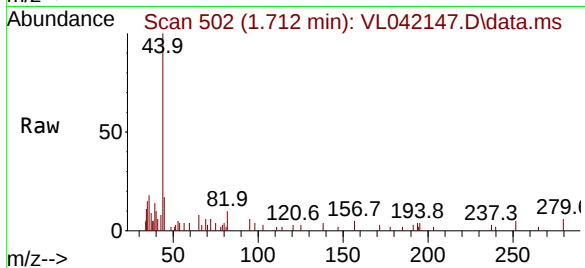
QC031225 CAN 10300

Tgt Ion: 45 Resp: 425

Ion Ratio Lower Upper

45 100

46 50.8 17.1 68.3



#15

Acetone

Concen: 0.388 ppbv

RT: 1.835 min Scan# 540

Delta R.T. -0.007 min

Lab File: VL042147.D

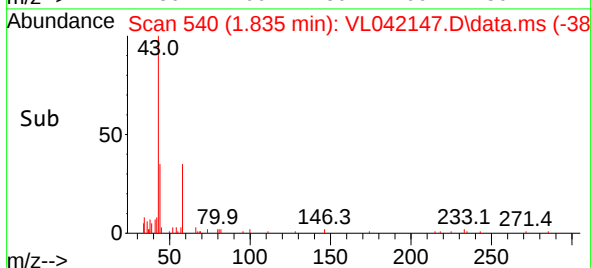
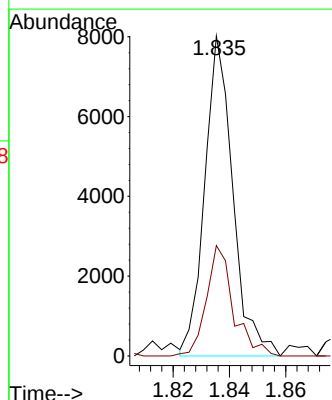
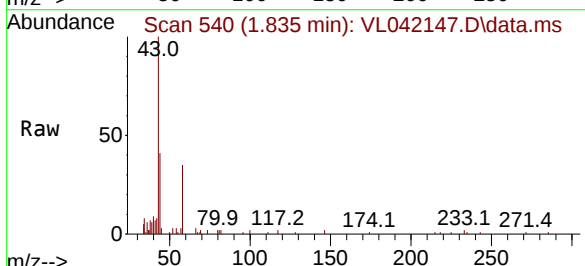
Acq: 14 Mar 2025 15:56

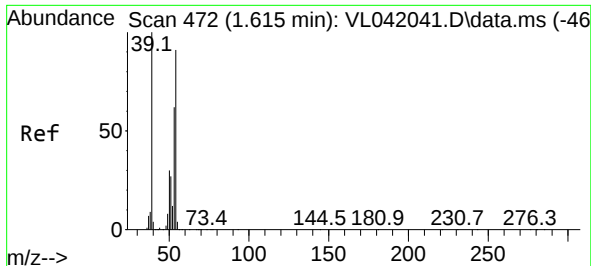
Tgt Ion: 43 Resp: 5565

Ion Ratio Lower Upper

43 100

58 33.2 20.7 31.1#

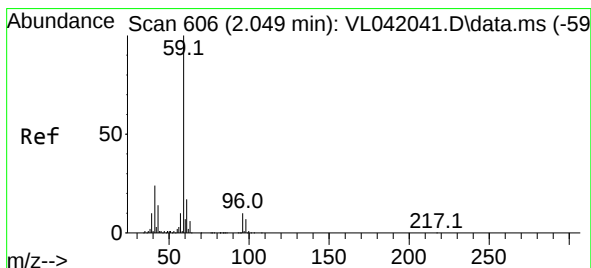
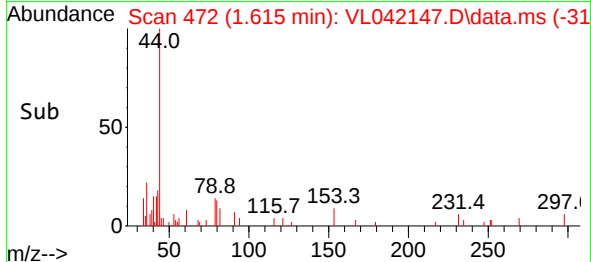
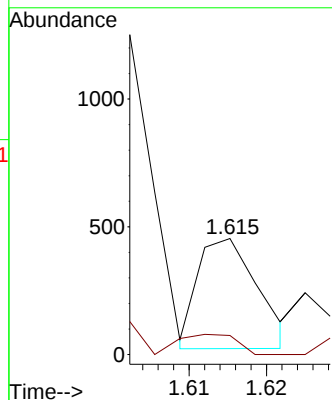
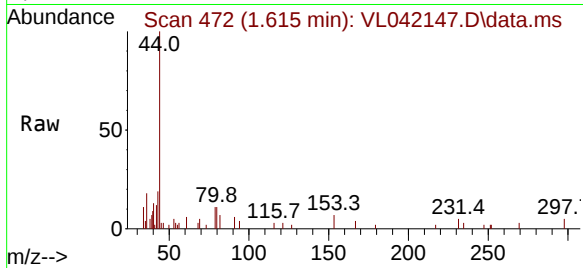




#16
1,3-Butadiene
Concen: 0.035 ppbv
RT: 1.615 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042147.D
Acq: 14 Mar 2025 15:56

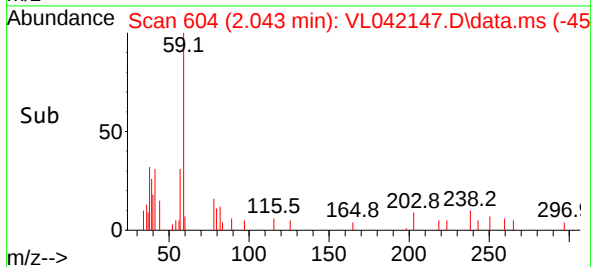
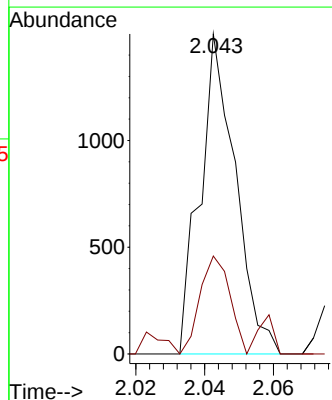
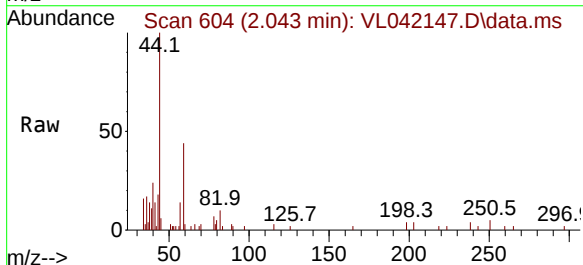
Instrument :
MSVOA_L
ClientSampleId :
QC031225 CAN 10300

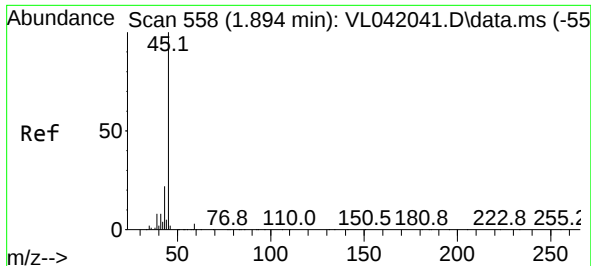
Tgt Ion: 39 Resp: 231
Ion Ratio Lower Upper
39 100
54 23.8 59.6 89.4#



#17
tert-Butyl alcohol
Concen: 0.060 ppbv
RT: 2.043 min Scan# 604
Delta R.T. -0.007 min
Lab File: VL042147.D
Acq: 14 Mar 2025 15:56

Tgt Ion: 59 Resp: 1072
Ion Ratio Lower Upper
59 100
57 35.3 9.3 13.9#





#19

Isopropyl Alcohol

Concen: 0.254 ppbv

RT: 1.887 min Scan# 51

Delta R.T. -0.007 min

Lab File: VL042147.D

Acq: 14 Mar 2025 15:56

Instrument :

MSVOA_L

ClientSampleId :

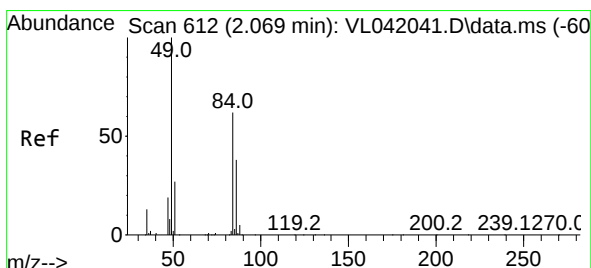
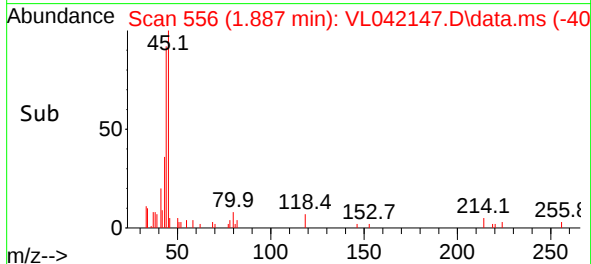
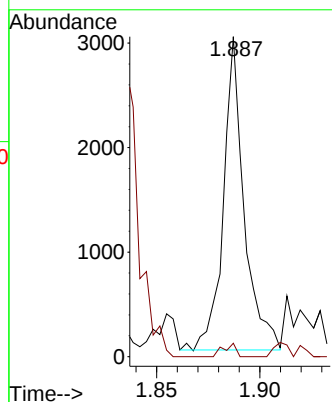
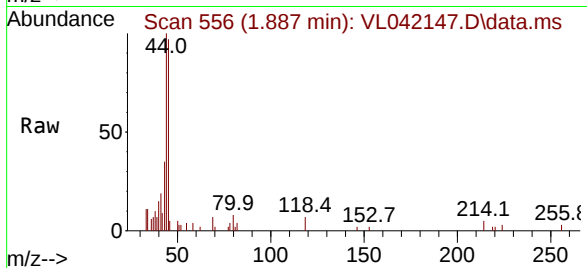
QC031225 CAN 10300

Tgt Ion: 45 Resp: 2094

Ion Ratio Lower Upper

45 100

58 0.0 35.3 52.9#



#20

Methylene Chloride

Concen: 0.284 ppbv

RT: 2.062 min Scan# 610

Delta R.T. -0.007 min

Lab File: VL042147.D

Acq: 14 Mar 2025 15:56

Tgt Ion: 84 Resp: 1539

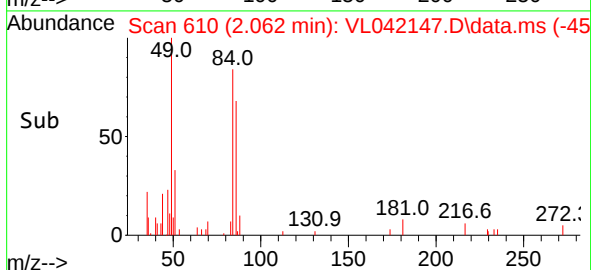
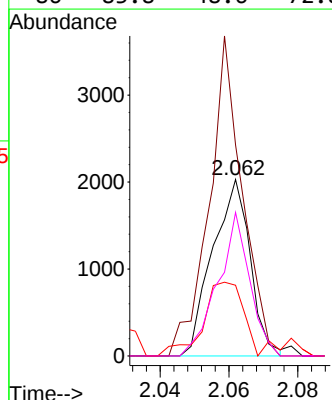
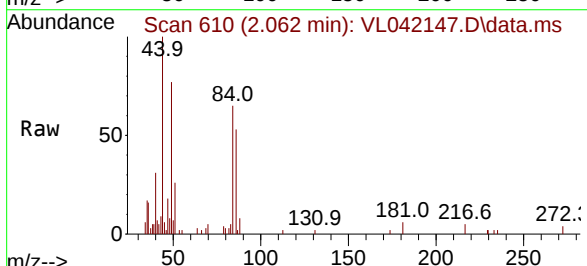
Ion Ratio Lower Upper

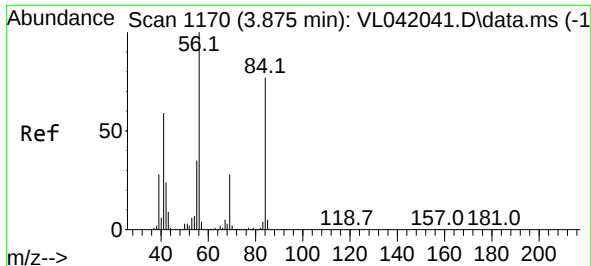
84 100

49 119.6 130.0 195.0#

51 36.7 37.4 56.0#

86 83.8 48.6 72.8#

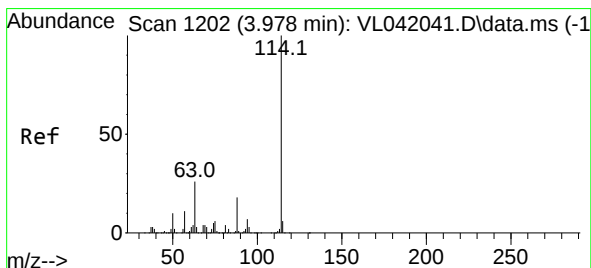
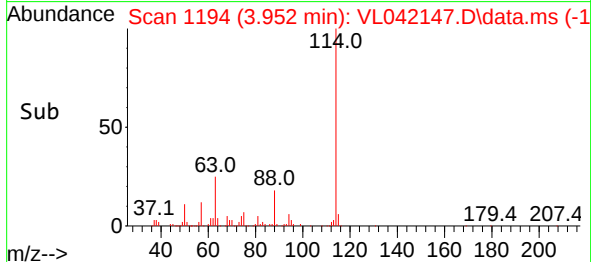
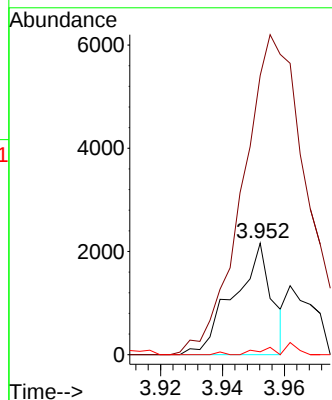
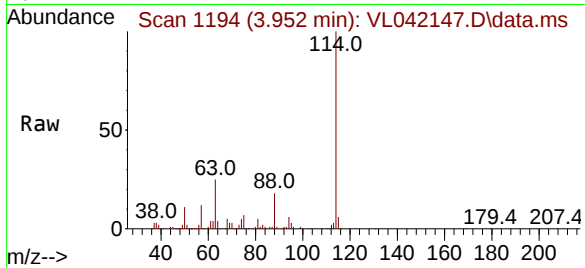




#30
Cyclohexane
Concen: 0.098 ppbv
RT: 3.952 min Scan# 1170
Delta R.T. 0.078 min
Lab File: VL042147.D
Acq: 14 Mar 2025 15:56

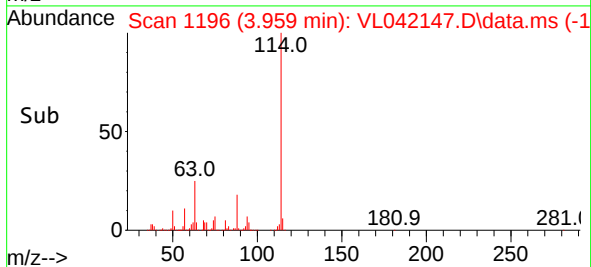
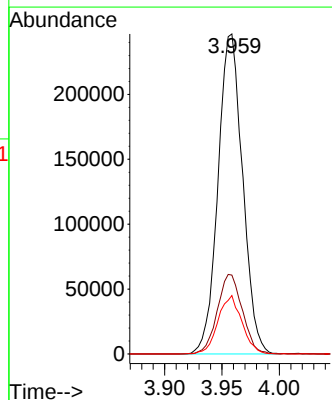
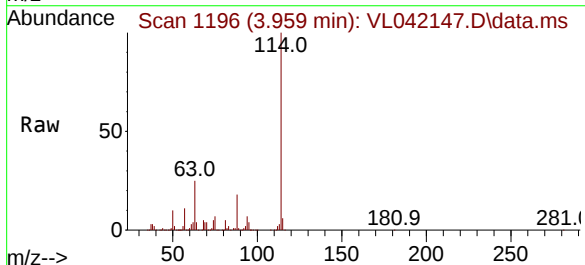
Instrument :
MSVOA_L
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QC031225 CAN 10300

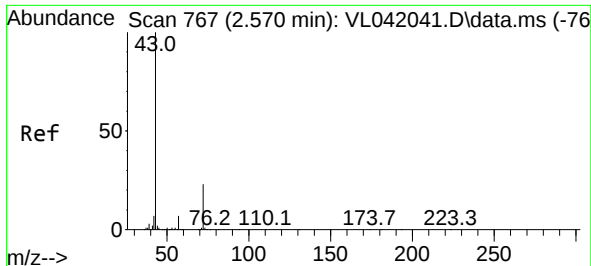
Tgt Ion: 84 Resp: 1851
Ion Ratio Lower Upper
84 100
56 484.9 101.5 152.3#
41 2.4 62.6 93.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.020 min
Lab File: VL042147.D
Acq: 14 Mar 2025 15:56

Tgt Ion: 114 Resp: 367986
Ion Ratio Lower Upper
114 100
63 25.3 20.1 30.1
88 17.7 14.3 21.5

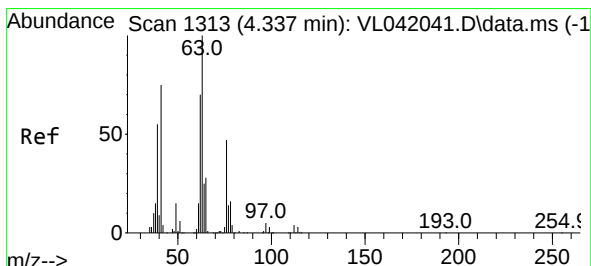
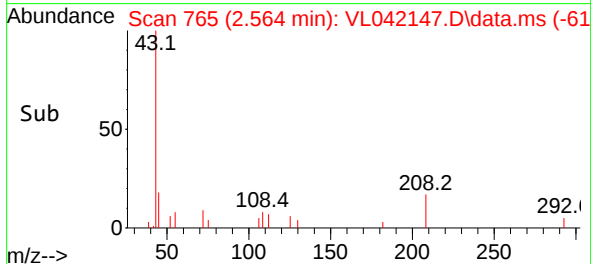
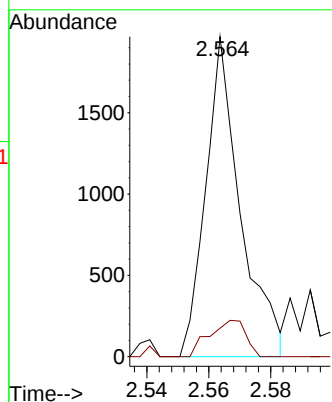
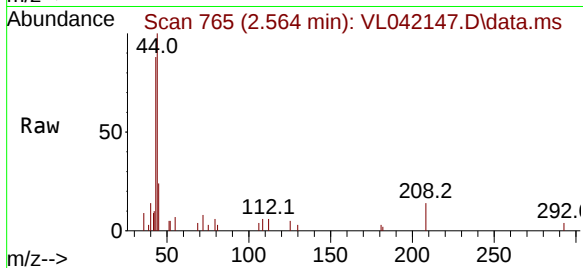




#34
2-Butanone
Concen: 0.053 ppbv
RT: 2.564 min Scan# 71
Delta R.T. -0.007 min
Lab File: VL042147.D
Acq: 14 Mar 2025 15:56

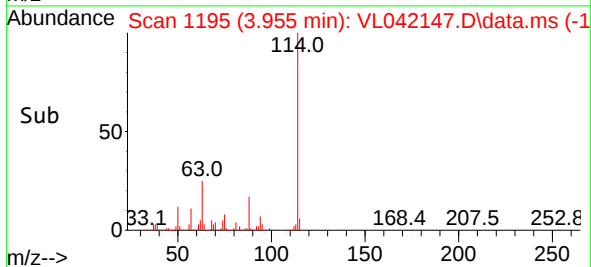
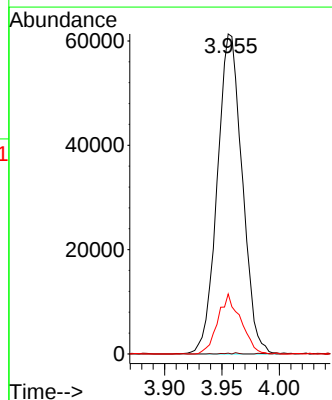
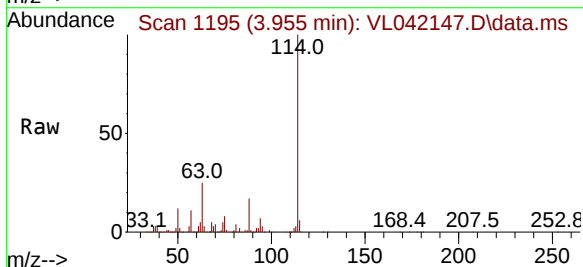
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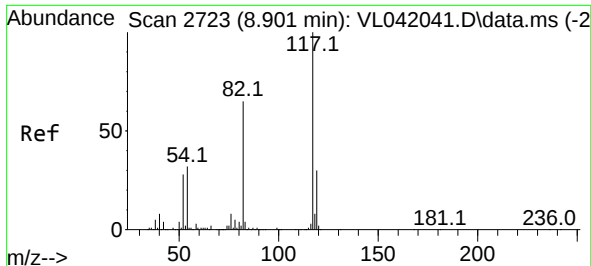
Tgt Ion: 43 Resp: 1527
Ion Ratio Lower Upper
43 100
72 12.0 18.5 27.7#



#39
1,2-Dichloropropane
Concen: 6.346 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.382 min
Lab File: VL042147.D
Acq: 14 Mar 2025 15:56

Tgt Ion: 63 Resp: 92794
Ion Ratio Lower Upper
63 100
41 0.2 60.1 90.1#
62 18.8 55.8 83.8#

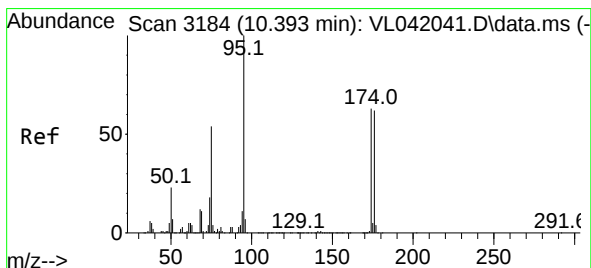
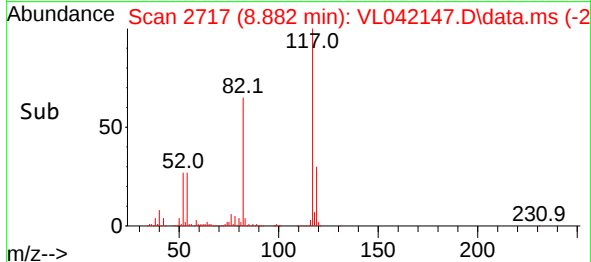
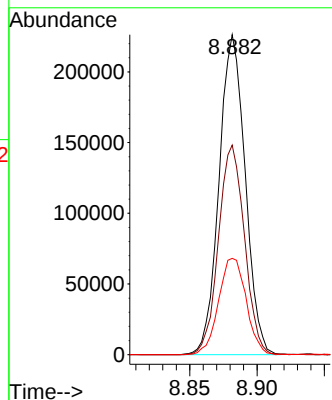
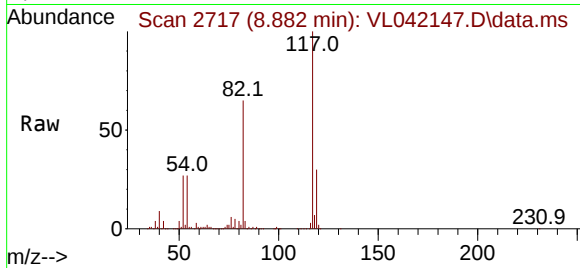




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 21
Delta R.T. -0.020 min
Lab File: VL042147.D
Acq: 14 Mar 2025 15:56

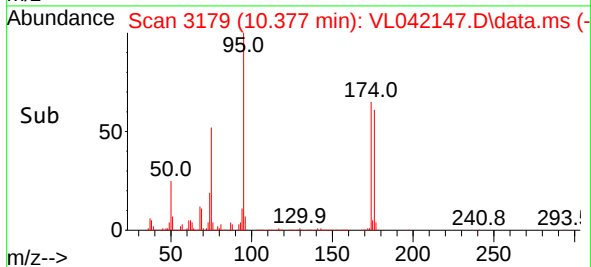
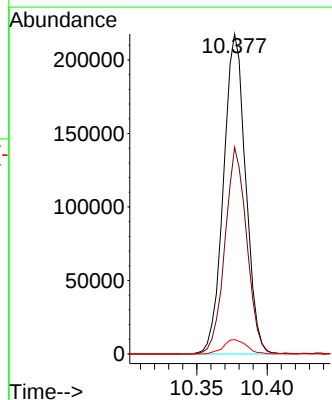
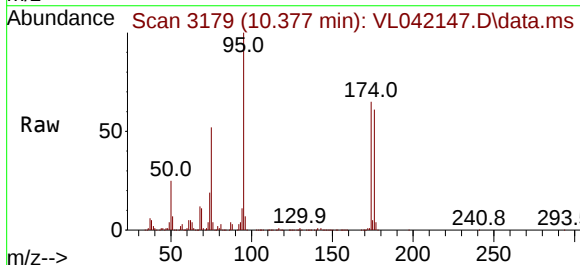
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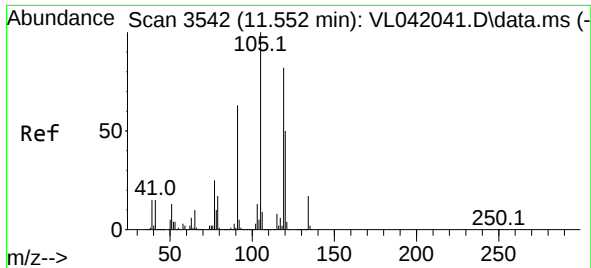
Tgt Ion:117 Resp: 305276
Ion Ratio Lower Upper
117 100
82 65.3 55.0 82.6
119 31.9 25.9 38.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.136 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.016 min
Lab File: VL042147.D
Acq: 14 Mar 2025 15:56

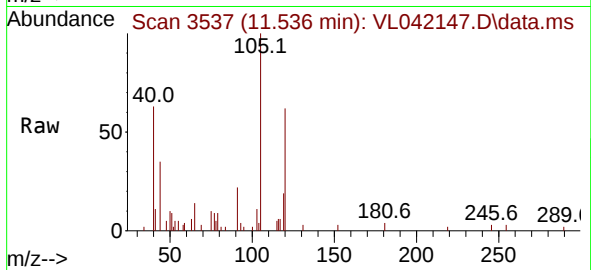
Tgt Ion: 95 Resp: 238048
Ion Ratio Lower Upper
95 100
174 64.0 51.8 77.6
175 4.7 3.9 5.9





#74
 1,2,4-Trimethylbenzene
 Concen: 0.048 ppbv
 RT: 11.536 min Scan# 31
 Delta R.T. -0.016 min
 Lab File: VL042147.D
 Acq: 14 Mar 2025 15:56

Instrument :
 MSVOA_L
 ClientSampleId :
 QC031225 CAN 10300



Tgt Ion:	105	Resp:	2565
Ion	Ratio	Lower	Upper
105	100		
120	62.0	40.2	60.2#
91	22.4	51.4	77.2#
77	9.4	20.1	30.1#

