

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031425\
 Data File : VL042148.D
 Acq On : 14 Mar 2025 16:29
 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 23:19:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	155212	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.962	114	353412	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.885	117	297273	10.000	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	230140	10.063	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.600%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Chloroethane	1.680	64	97	0.042	ppbv #	87
13) Ethanol	1.803	45	182	0.312	ppbv #	1
15) Acetone	1.839	43	7765	0.567	ppbv #	89
16) 1,3-Butadiene	1.599	39	1751	0.275	ppbv #	24
17) tert-Butyl alcohol	2.046	59	1759	0.103	ppbv	100
19) Isopropyl Alcohol	1.890	45	353	0.045	ppbv #	32
20) Methylene Chloride	2.062	84	2343	0.452	ppbv #	82
30) Cyclohexane	3.949	84	1208	0.067	ppbv #	5
34) 2-Butanone	2.564	43	1042	0.038	ppbv #	88
39) 1,2-Dichloropropane	3.959	63	89941	6.405	ppbv #	22
74) 1,2,4-Trimethylbenzene	11.539	105	4067	0.078	ppbv #	64

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

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MSVOA_L
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QC031225 CAN 10300

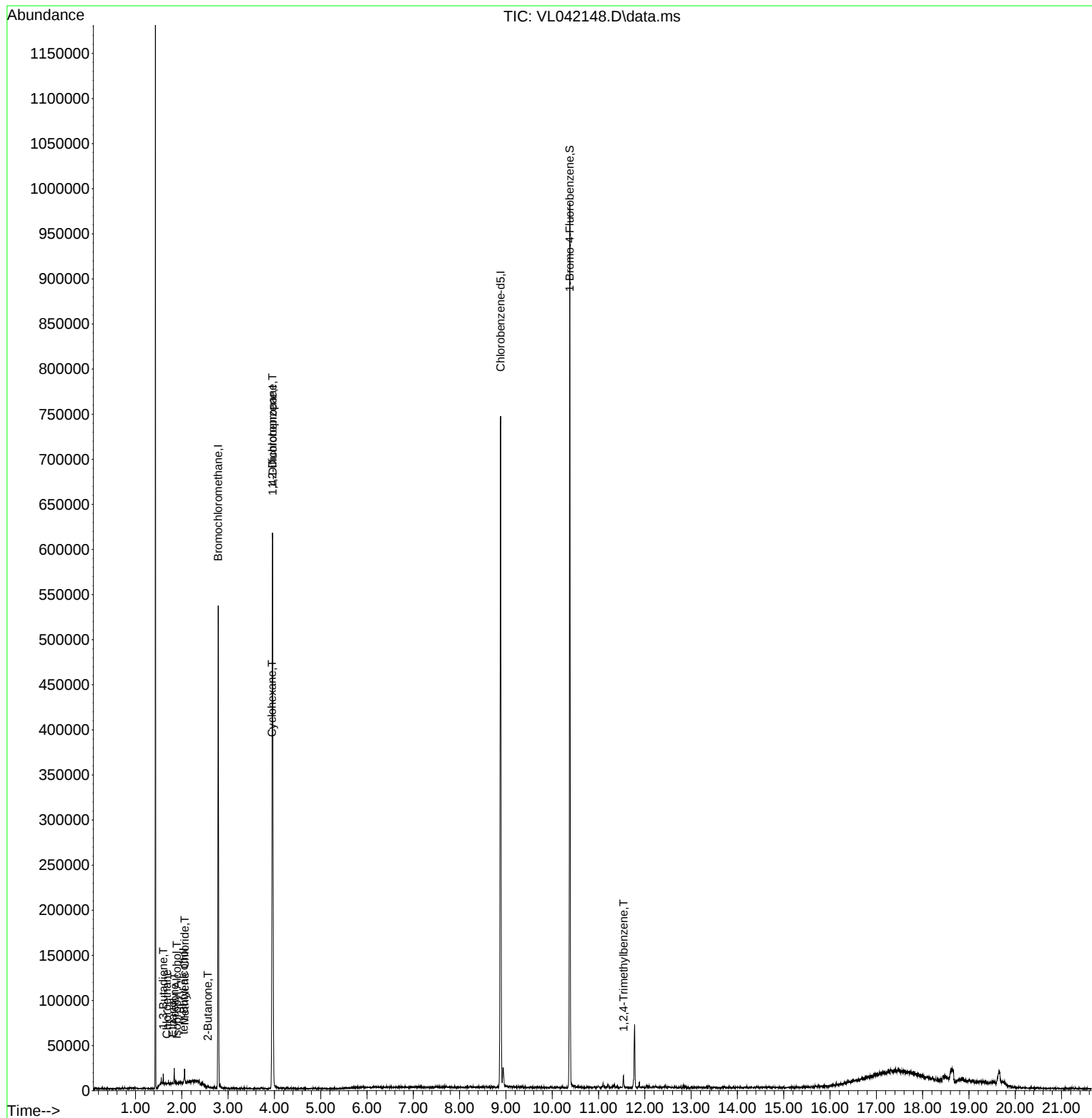
Quant Time: Mar 14 23:19:56 2025

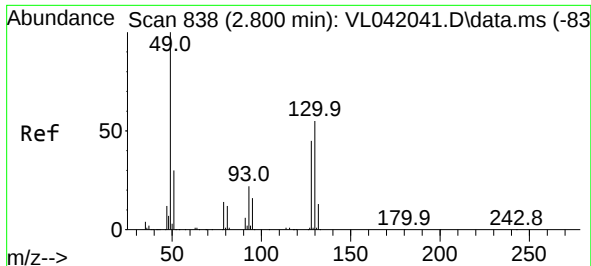
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M

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

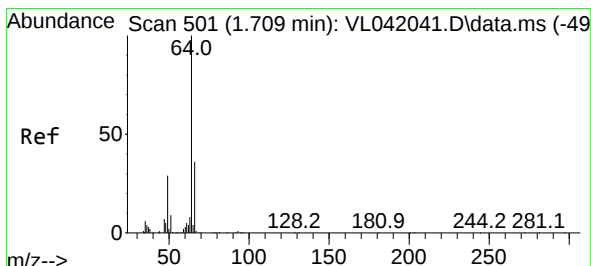
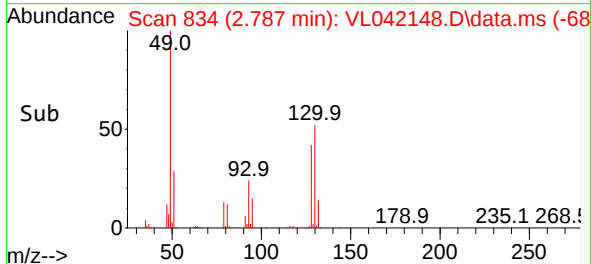
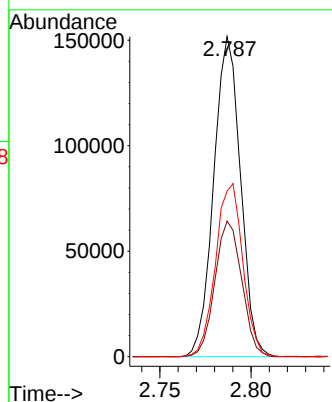
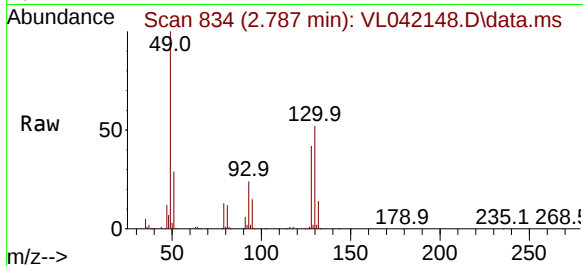




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.013 min
Lab File: VL042148.D
Acq: 14 Mar 2025 16:29

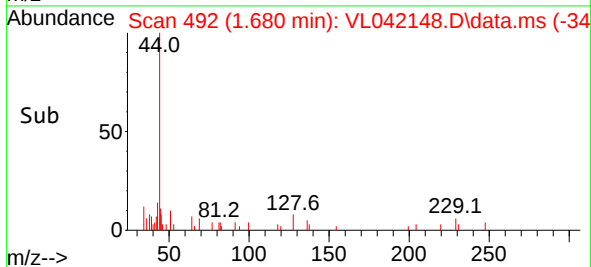
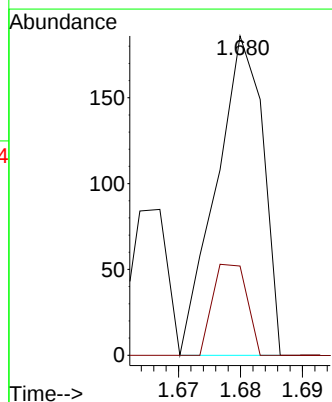
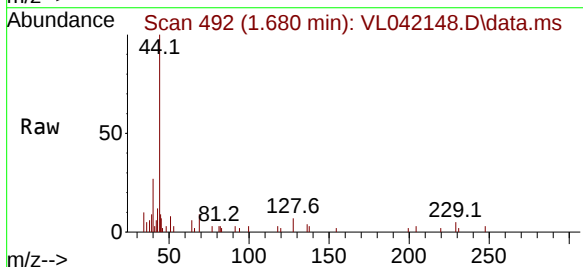
Instrument :
MSVOA_L
ClientSampleId :
QC031225 CAN 10300

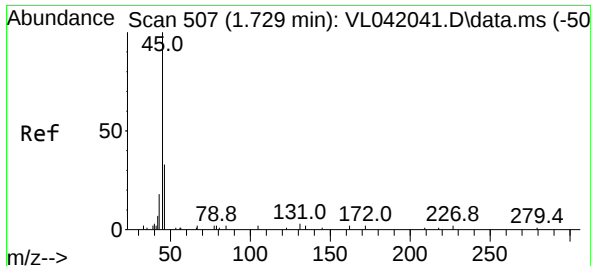
Tgt Ion: 49 Resp: 155212
Ion Ratio Lower Upper
49 100
128 42.4 21.6 64.8
130 55.1 27.8 83.4



#7
Chloroethane
Concen: 0.042 ppbv
RT: 1.680 min Scan# 492
Delta R.T. -0.029 min
Lab File: VL042148.D
Acq: 14 Mar 2025 16:29

Tgt Ion: 64 Resp: 97
Ion Ratio Lower Upper
64 100
66 28.0 28.4 42.6#

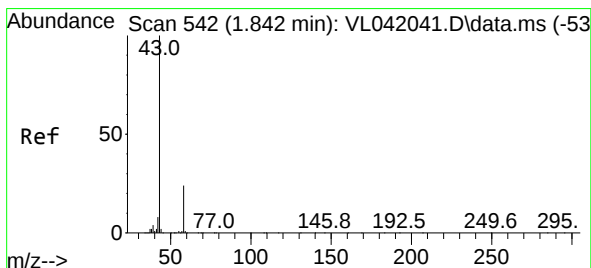
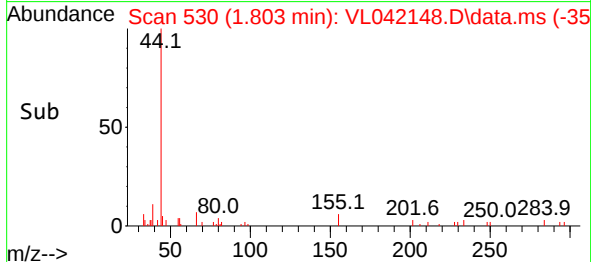
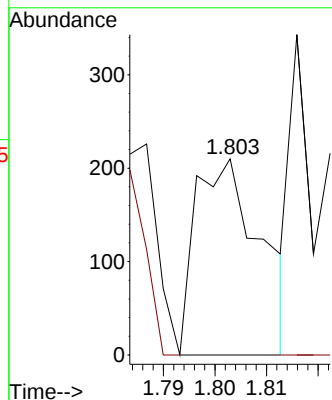
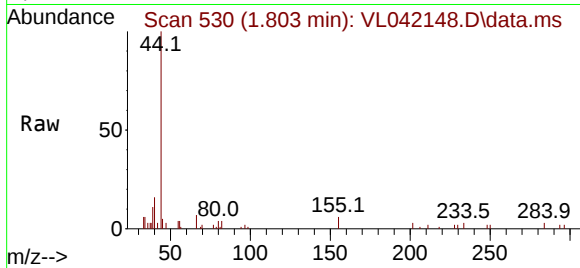




#13
Ethanol
Concen: 0.312 ppbv
RT: 1.803 min Scan# 51
Delta R.T. 0.074 min
Lab File: VL042148.D
Acq: 14 Mar 2025 16:29

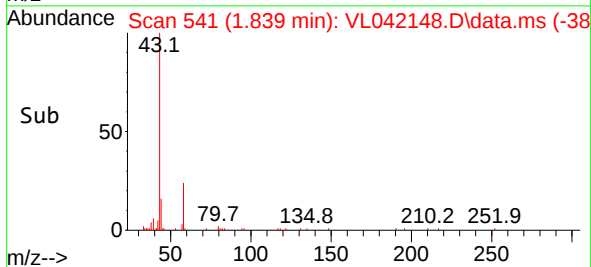
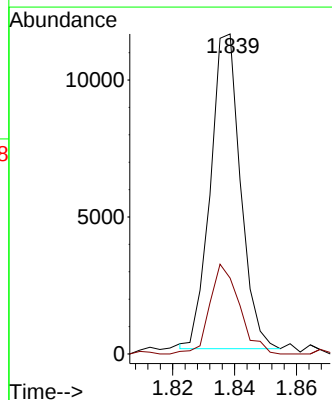
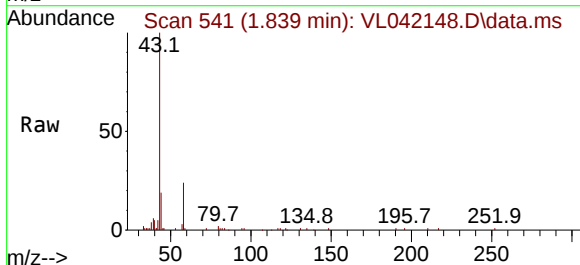
Instrument :
MSVOA_L
ClientSampleId :
QC031225 CAN 10300

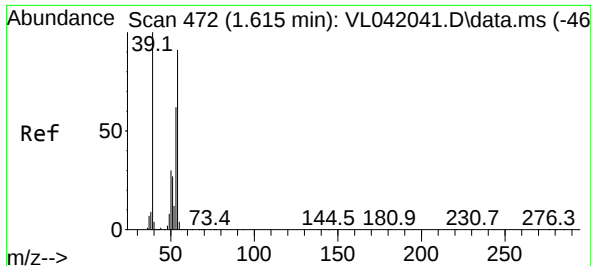
Tgt Ion: 45 Resp: 182
Ion Ratio Lower Upper
45 100
46 123.6 17.1 68.3#



#15
Acetone
Concen: 0.567 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL042148.D
Acq: 14 Mar 2025 16:29

Tgt Ion: 43 Resp: 7765
Ion Ratio Lower Upper
43 100
58 31.3 20.7 31.1#





#16

1,3-Butadiene

Concen: 0.275 ppbv

RT: 1.599 min Scan# 41

Delta R.T. -0.016 min

Lab File: VL042148.D

Acq: 14 Mar 2025 16:29

Instrument :

MSVOA_L

ClientSampleId :

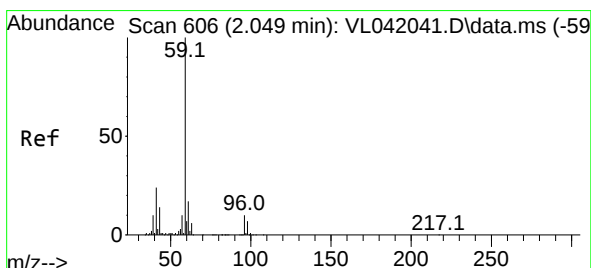
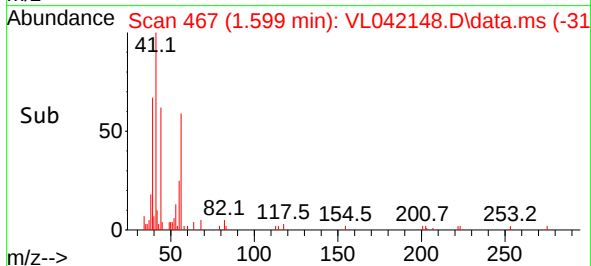
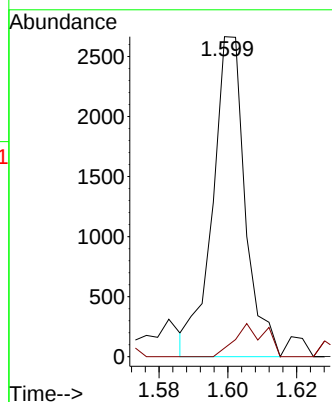
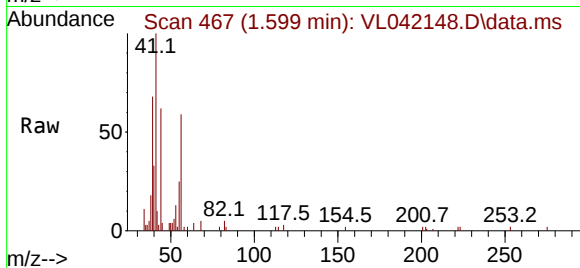
QC031225 CAN 10300

Tgt Ion: 39 Resp: 1751

Ion Ratio Lower Upper

39 100

54 9.7 59.6 89.4#



#17

tert-Butyl alcohol

Concen: 0.103 ppbv

RT: 2.046 min Scan# 605

Delta R.T. -0.003 min

Lab File: VL042148.D

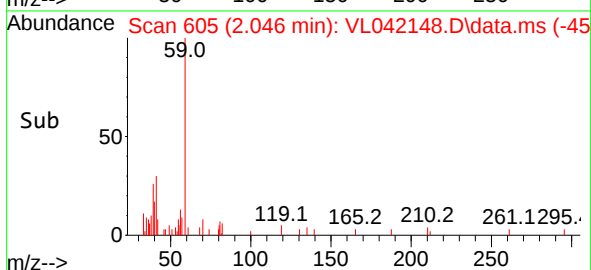
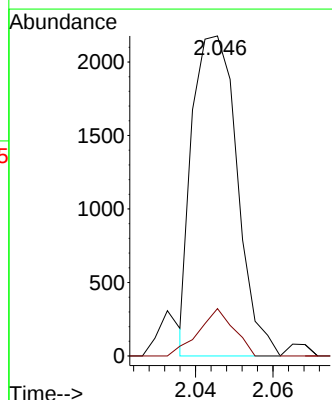
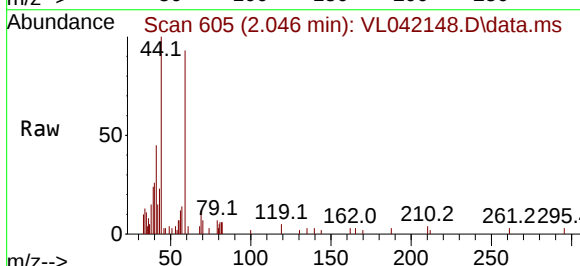
Acq: 14 Mar 2025 16:29

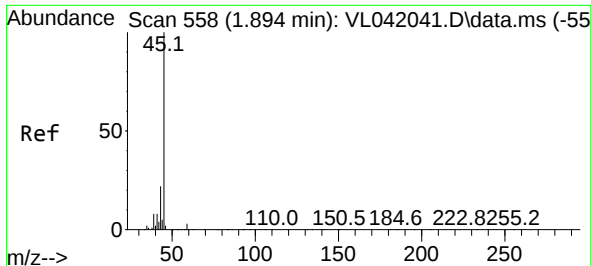
Tgt Ion: 59 Resp: 1759

Ion Ratio Lower Upper

59 100

57 11.6 9.3 13.9





#19

Isopropyl Alcohol

Concen: 0.045 ppbv

RT: 1.890 min Scan# 51

Delta R.T. -0.003 min

Lab File: VL042148.D

Acq: 14 Mar 2025 16:29

Instrument :

MSVOA_L

ClientSampleId :

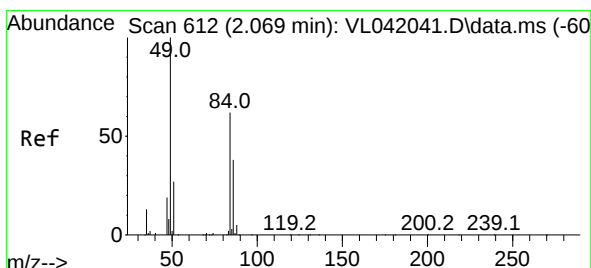
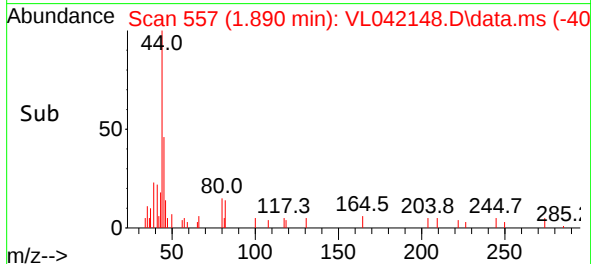
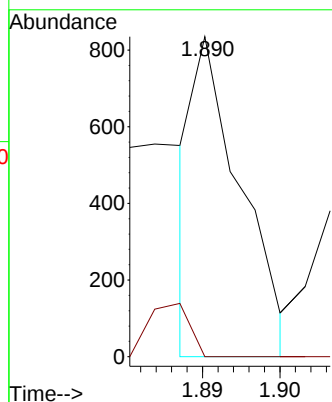
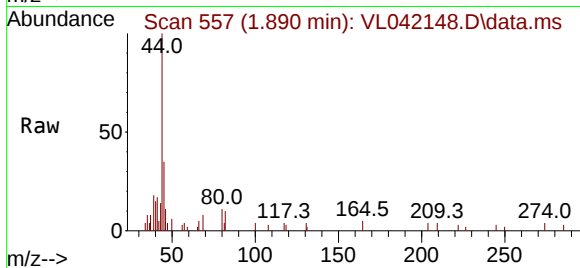
QC031225 CAN 10300

Tgt Ion: 45 Resp: 353

Ion Ratio Lower Upper

45 100

58 0.0 35.3 52.9#



#20

Methylene Chloride

Concen: 0.452 ppbv

RT: 2.062 min Scan# 610

Delta R.T. -0.007 min

Lab File: VL042148.D

Acq: 14 Mar 2025 16:29

Tgt Ion: 84 Resp: 2343

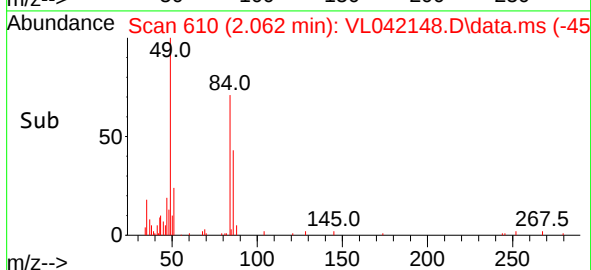
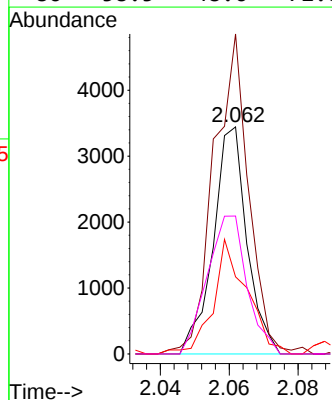
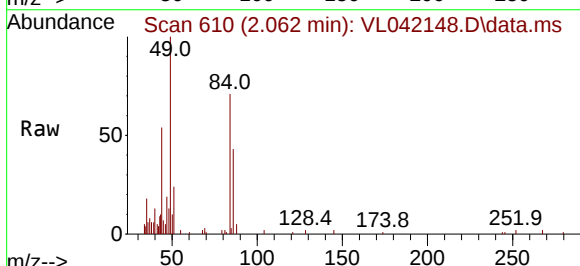
Ion Ratio Lower Upper

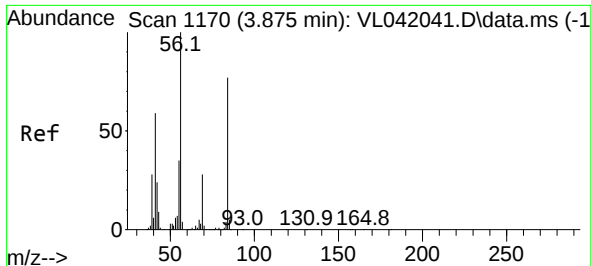
84 100

49 133.3 130.0 195.0

51 31.0 37.4 56.0#

86 58.5 48.6 72.8

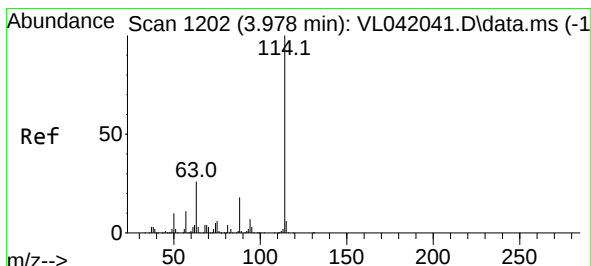
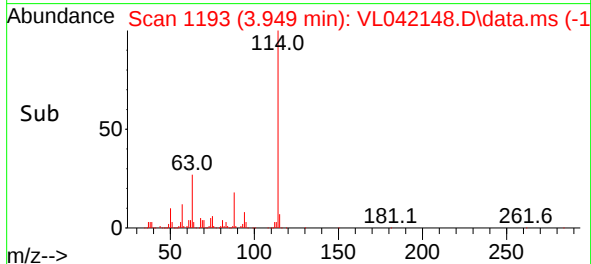
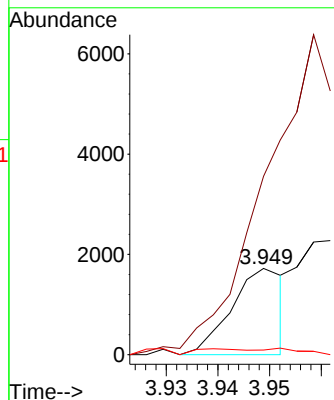
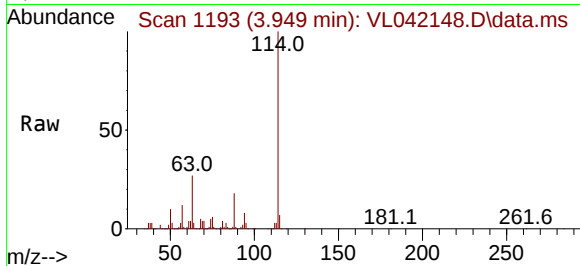




#30
Cyclohexane
Concen: 0.067 ppbv
RT: 3.949 min Scan# 1170
Delta R.T. 0.074 min
Lab File: VL042148.D
Acq: 14 Mar 2025 16:29

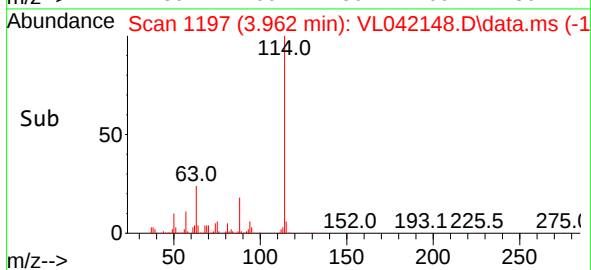
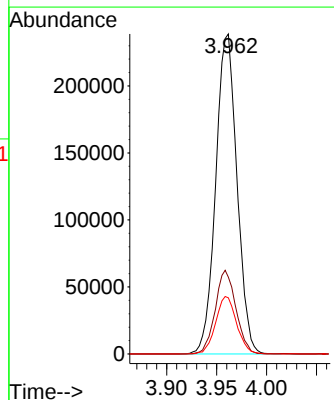
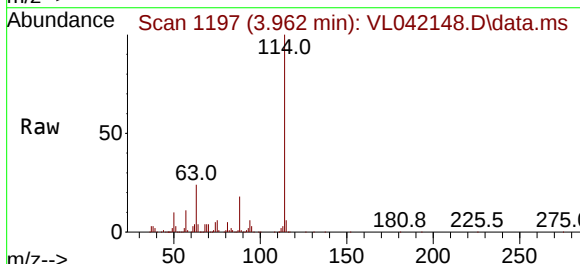
Instrument :
MSVOA_L
ClientSampleId :
QC031225 CAN 10300

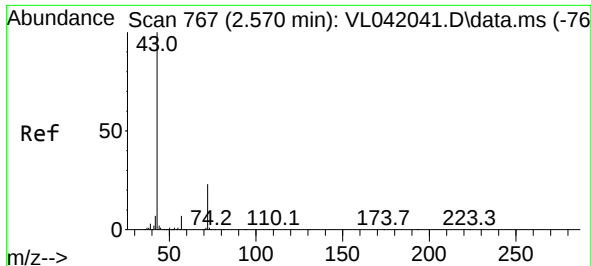
Tgt Ion: 84 Resp: 1208
Ion Ratio Lower Upper
84 100
56 0.0 101.5 152.3#
41 16.4 62.6 93.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. -0.016 min
Lab File: VL042148.D
Acq: 14 Mar 2025 16:29

Tgt Ion: 114 Resp: 353412
Ion Ratio Lower Upper
114 100
63 25.6 20.1 30.1
88 17.7 14.3 21.5

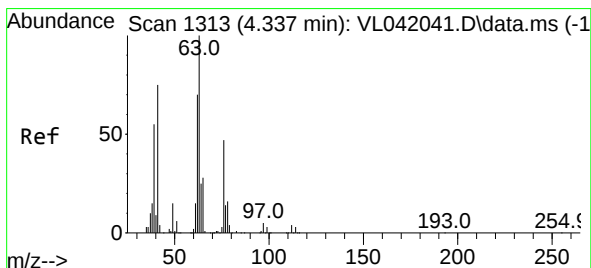
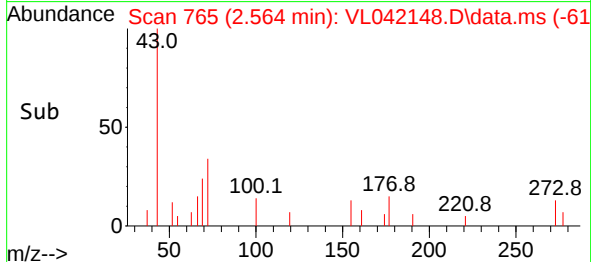
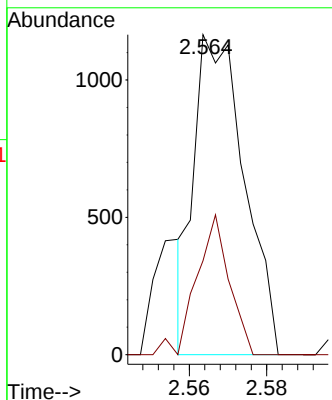
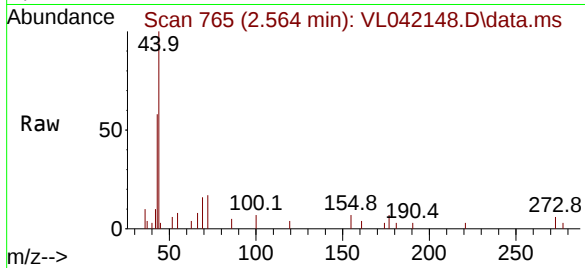




#34
2-Butanone
Concen: 0.038 ppbv
RT: 2.564 min Scan# 71
Delta R.T. -0.007 min
Lab File: VL042148.D
Acq: 14 Mar 2025 16:29

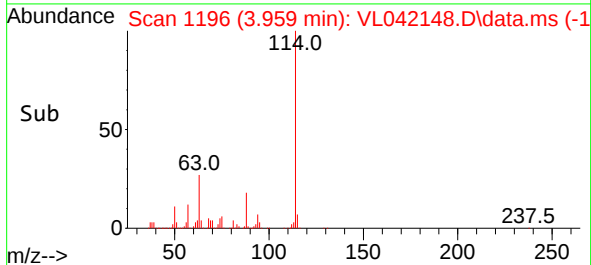
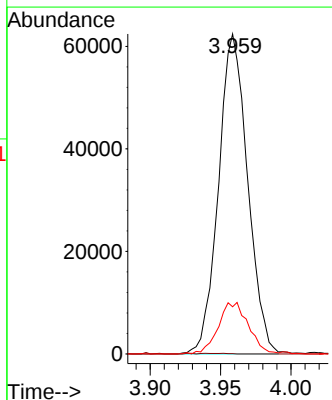
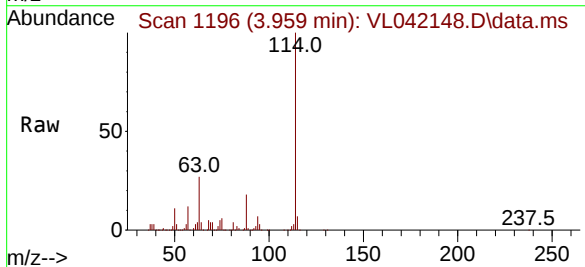
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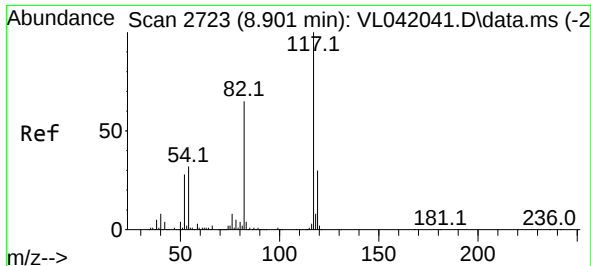
Tgt Ion: 43 Resp: 1042
Ion Ratio Lower Upper
43 100
72 28.8 18.5 27.7#



#39
1,2-Dichloropropane
Concen: 6.405 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.379 min
Lab File: VL042148.D
Acq: 14 Mar 2025 16:29

Tgt Ion: 63 Resp: 89941
Ion Ratio Lower Upper
63 100
41 0.1 60.1 90.1#
62 14.8 55.8 83.8#

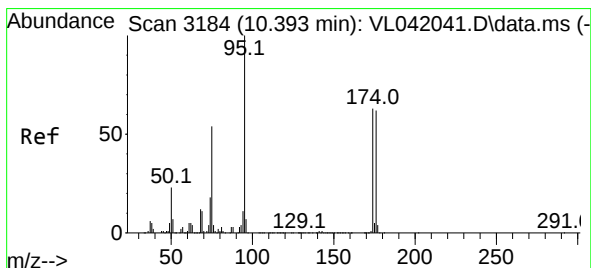
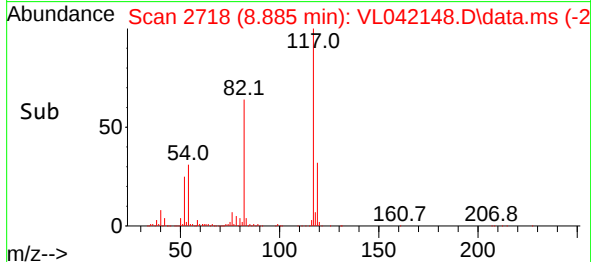
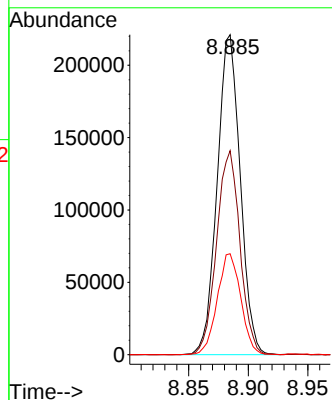
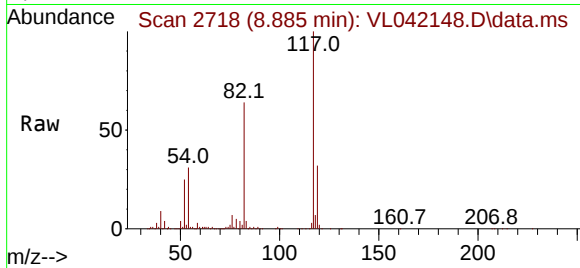




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 8.885 min Scan# 21
 Delta R.T. -0.016 min
 Lab File: VL042148.D
 Acq: 14 Mar 2025 16:29

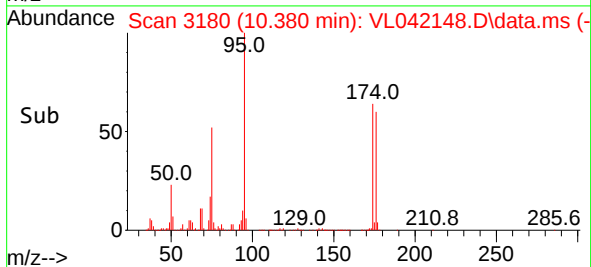
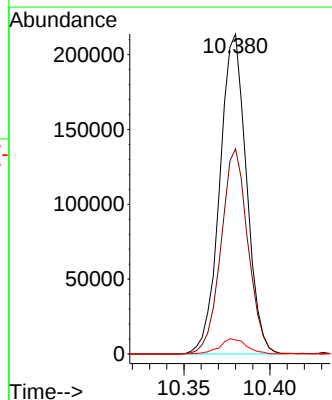
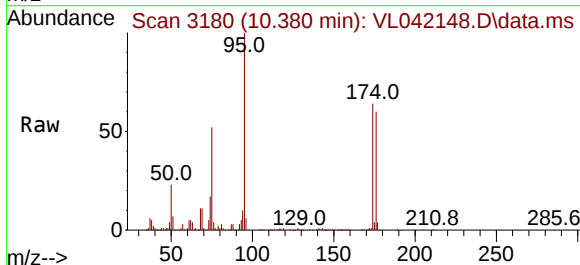
Instrument :
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 QC031225 CAN 10300

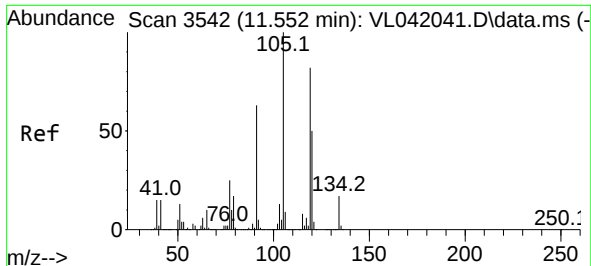
Tgt Ion:	117	Resp:	297273
Ion	Ratio	Lower	Upper
117	100		
82	64.8	55.0	82.6
119	32.2	25.9	38.9



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.063 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. -0.013 min
 Lab File: VL042148.D
 Acq: 14 Mar 2025 16:29

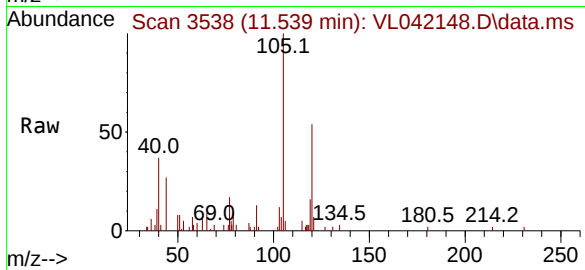
Tgt Ion:	95	Resp:	230140
Ion	Ratio	Lower	Upper
95	100		
174	65.0	51.8	77.6
175	4.8	3.9	5.9





#74
 1,2,4-Trimethylbenzene
 Concen: 0.078 ppbv
 RT: 11.539 min Scan# 31
 Delta R.T. -0.013 min
 Lab File: VL042148.D
 Acq: 14 Mar 2025 16:29

Instrument :
 MSVOA_L
 ClientSampleId :
 QC031225 CAN 10300



Tgt Ion:	105	Resp:	4067
Ion	Ratio	Lower	Upper
105	100		
120	60.0	40.2	60.2
91	13.3	51.4	77.2#
77	22.2	20.1	30.1

