

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031425\
 Data File : VL042144.D
 Acq On : 14 Mar 2025 10:40
 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 23:18:06 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	2.790	49	156449	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	356468	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.885	117	305960	10.000	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	235975	10.025	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.200%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue

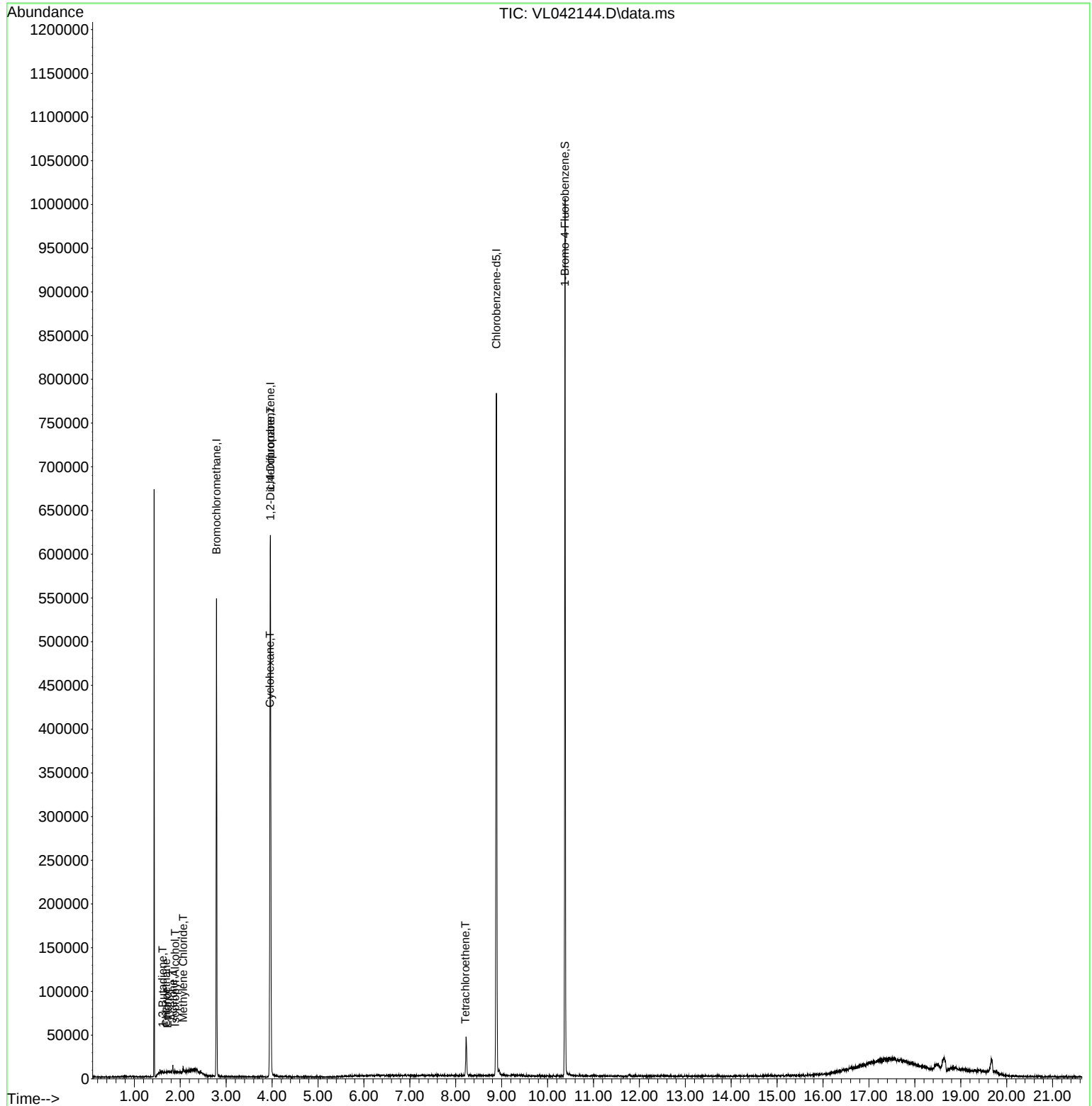
7) Chloroethane	1.693	64	85	0.037	ppbv #	55
13) Ethanol	1.725	45	108	0.184	ppbv #	33
15) Acetone	1.839	43	2588	0.187	ppbv #	88
16) 1,3-Butadiene	1.615	39	295	0.046	ppbv #	12
19) Isopropyl Alcohol	1.887	45	275	0.035	ppbv #	32
20) Methylene Chloride	2.062	84	1002	0.192	ppbv #	83
30) Cyclohexane	3.952	84	2144	0.118	ppbv #	1
39) 1,2-Dichloropropane	3.965	63	91699	6.474	ppbv #	23
52) Tetrachloroethene	8.208	164	606	0.047	ppbv #	72

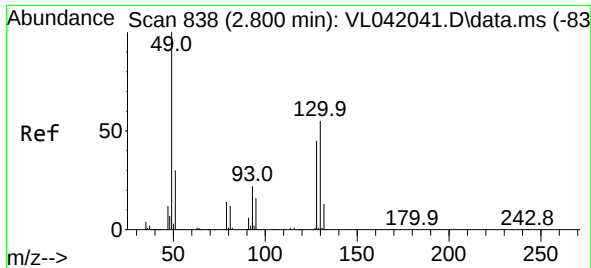
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 14 23:18:06 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

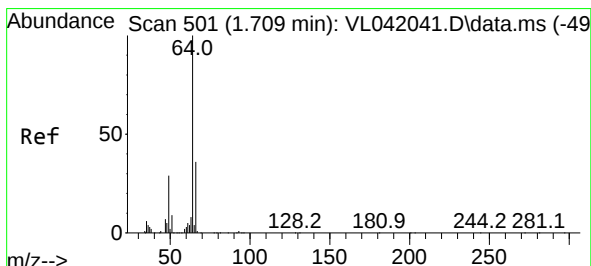
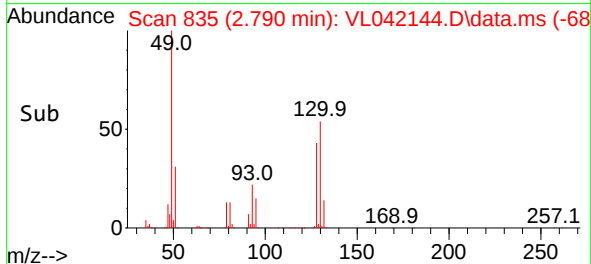
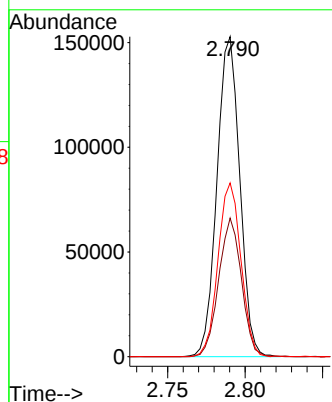
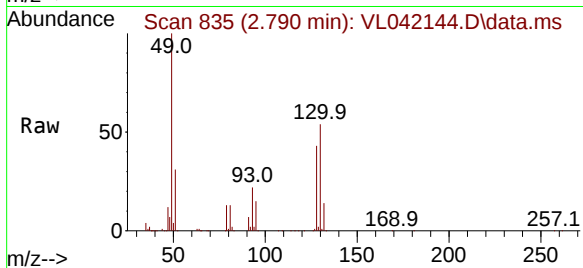




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. -0.010 min
Lab File: VL042144.D
Acq: 14 Mar 2025 10:40

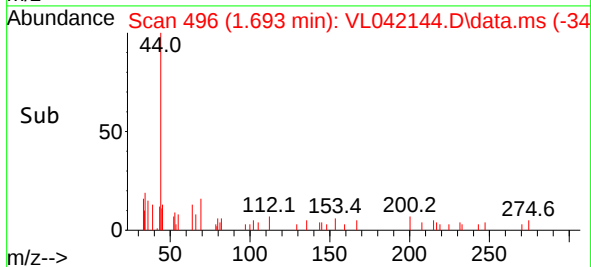
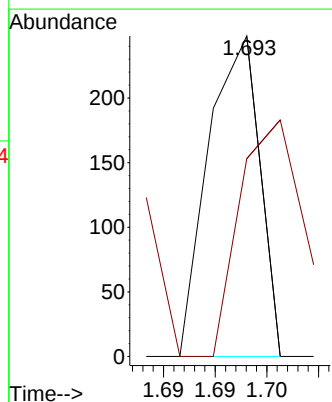
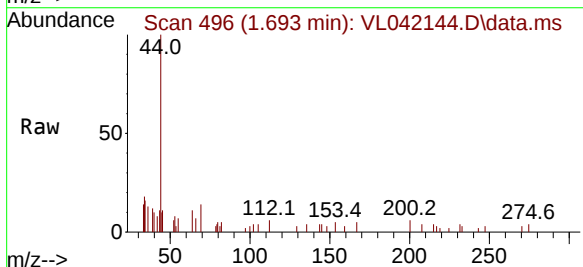
Instrument :
MSVOA_L
ClientSampleId :
QC031225 CAN 10300

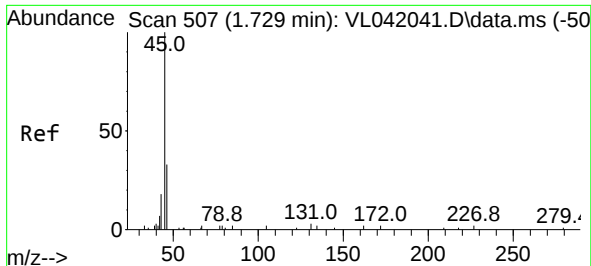
Tgt Ion: 49 Resp: 156449
Ion Ratio Lower Upper
49 100
128 43.2 21.6 64.8
130 54.7 27.8 83.4



#7
Chloroethane
Concen: 0.037 ppbv
RT: 1.693 min Scan# 496
Delta R.T. -0.016 min
Lab File: VL042144.D
Acq: 14 Mar 2025 10:40

Tgt Ion: 64 Resp: 85
Ion Ratio Lower Upper
64 100
66 61.7 28.4 42.6#

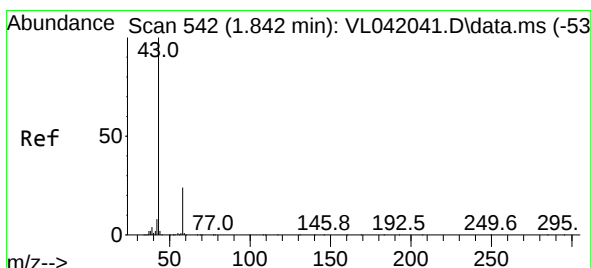
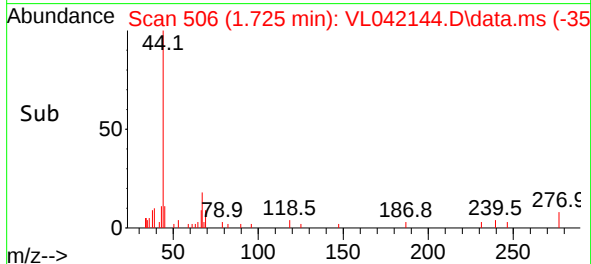
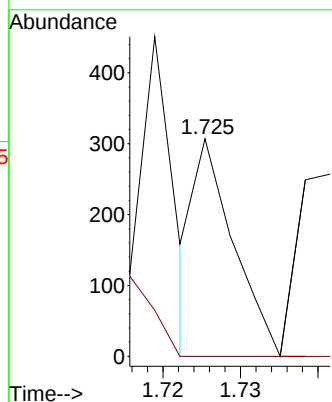
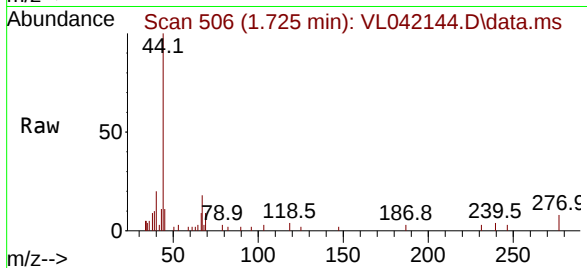




#13
Ethanol
Concen: 0.184 ppbv
RT: 1.725 min Scan# 507
Delta R.T. -0.003 min
Lab File: VL042144.D
Acq: 14 Mar 2025 10:40

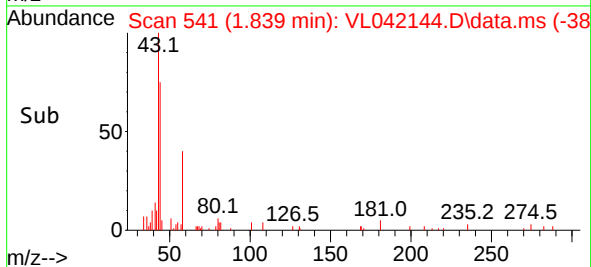
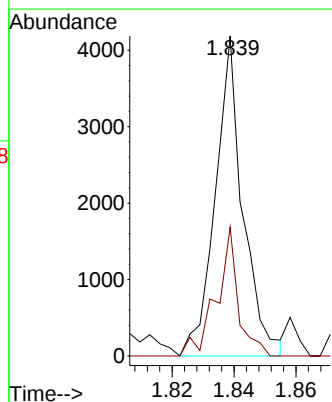
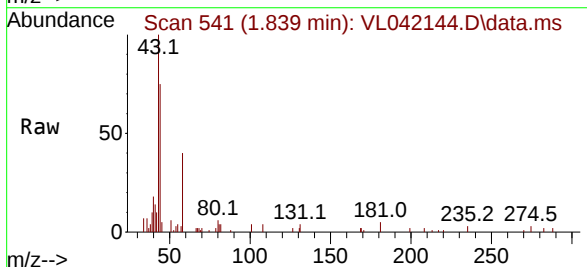
Instrument :
MSVOA_L
ClientSampleId :
QC031225 CAN 10300

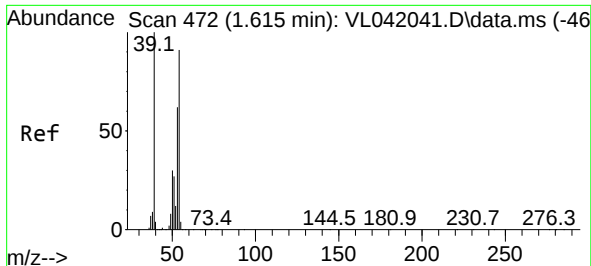
Tgt Ion: 45 Resp: 108
Ion Ratio Lower Upper
45 100
46 0.0 17.1 68.3#



#15
Acetone
Concen: 0.187 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL042144.D
Acq: 14 Mar 2025 10:40

Tgt Ion: 43 Resp: 2588
Ion Ratio Lower Upper
43 100
58 31.8 20.7 31.1#

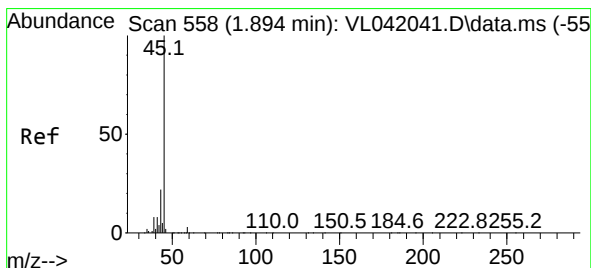
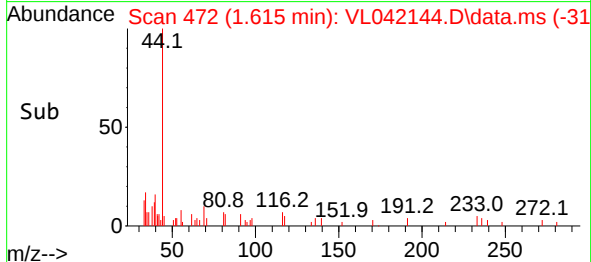
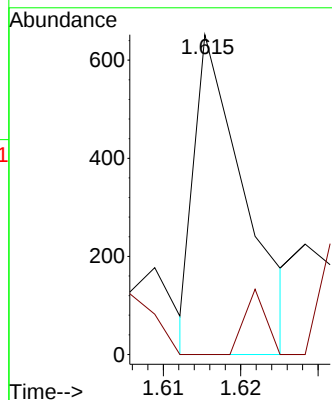
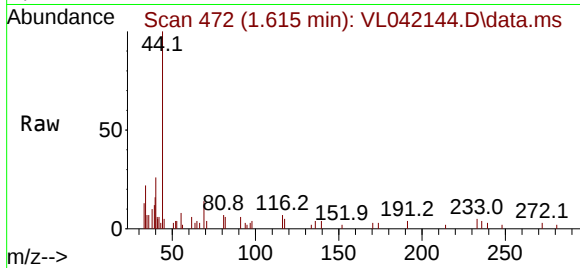




#16
1,3-Butadiene
Concen: 0.046 ppbv
RT: 1.615 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042144.D
Acq: 14 Mar 2025 10:40

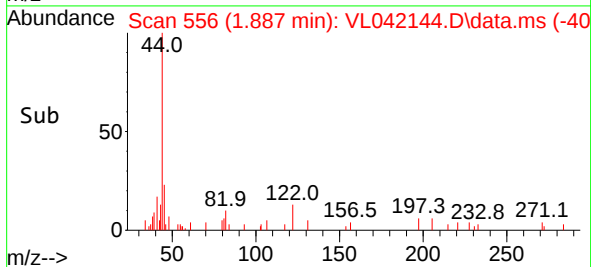
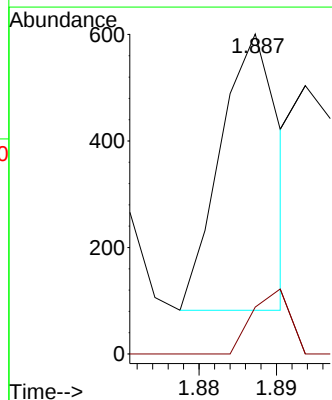
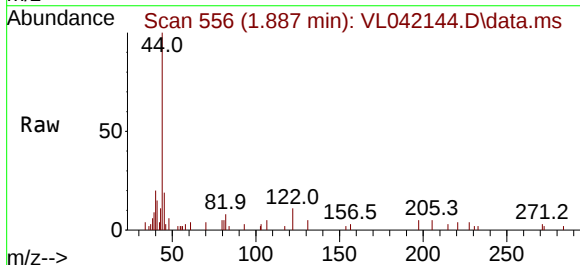
Instrument :
MSVOA_L
ClientSampleId :
QC031225 CAN 10300

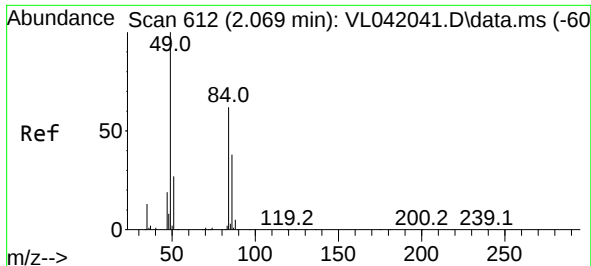
Tgt Ion: 39 Resp: 295
Ion Ratio Lower Upper
39 100
54 0.0 59.6 89.4#



#19
Isopropyl Alcohol
Concen: 0.035 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.007 min
Lab File: VL042144.D
Acq: 14 Mar 2025 10:40

Tgt Ion: 45 Resp: 275
Ion Ratio Lower Upper
45 100
58 0.0 35.3 52.9#

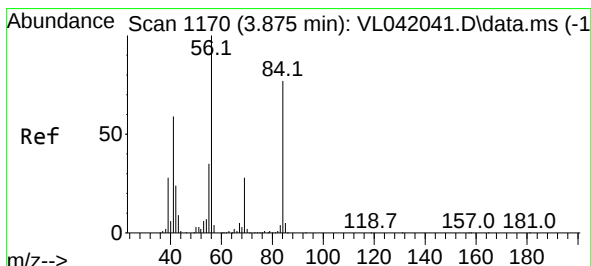
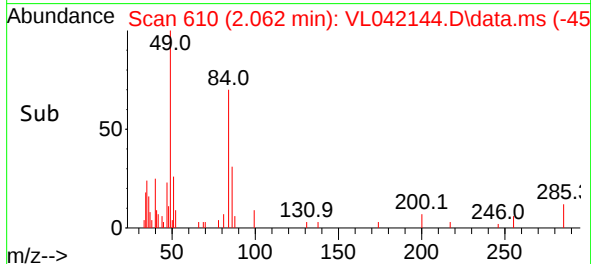
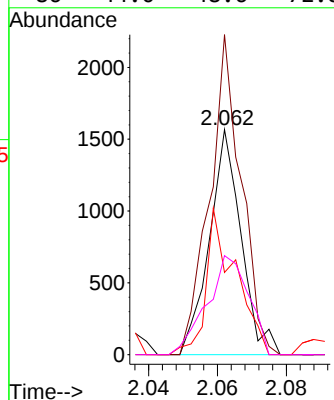
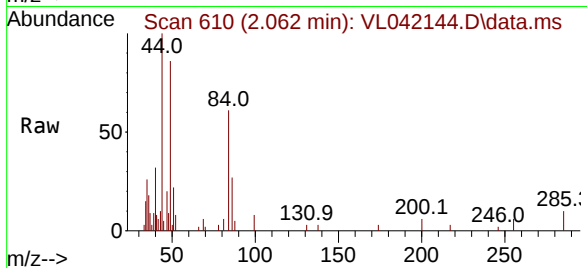




#20
Methylene Chloride
Concen: 0.192 ppbv
RT: 2.062 min Scan# 61
Delta R.T. -0.007 min
Lab File: VL042144.D
Acq: 14 Mar 2025 10:40

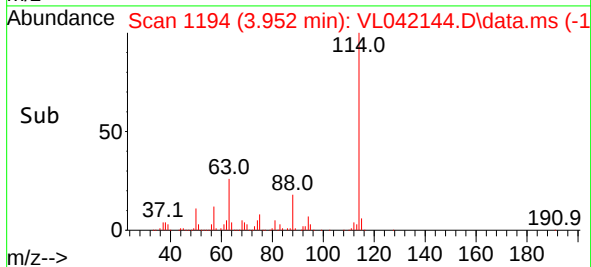
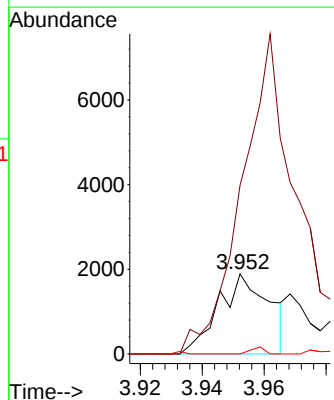
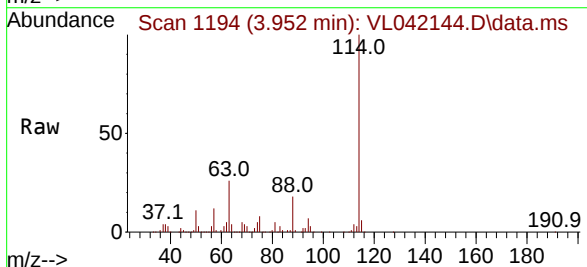
Instrument :
MSVOA_L
ClientSampleId :
QC031225 CAN 10300

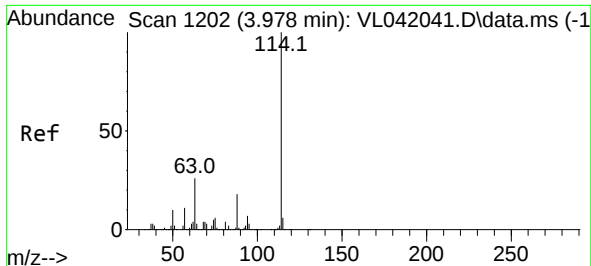
Tgt Ion:	84	Resp:	1002
Ion	Ratio	Lower	Upper
84	100		
49	142.2	130.0	195.0
51	36.6	37.4	56.0#
86	44.0	48.6	72.8#



#30
Cyclohexane
Concen: 0.118 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.078 min
Lab File: VL042144.D
Acq: 14 Mar 2025 10:40

Tgt Ion:	84	Resp:	2144
Ion	Ratio	Lower	Upper
84	100		
56	0.0	101.5	152.3#
41	2.0	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: VL042144.D

Acq: 14 Mar 2025 10:40

Instrument :

MSVOA_L

ClientSampleId :

QC031225 CAN 10300

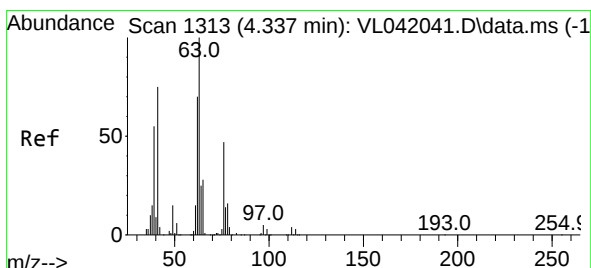
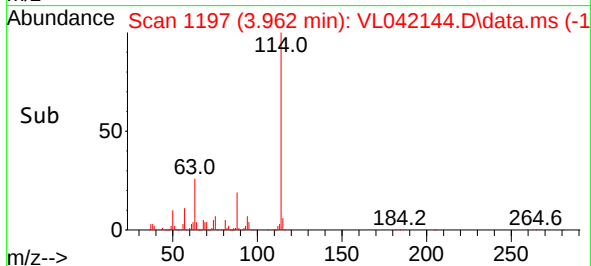
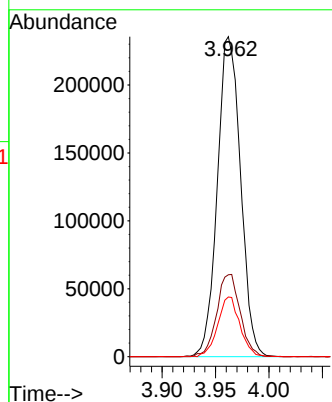
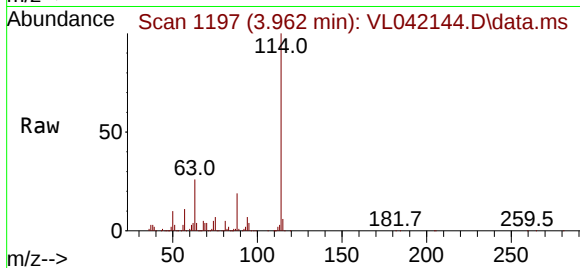
Tgt Ion:114 Resp: 356468

Ion Ratio Lower Upper

114 100

63 25.9 20.1 30.1

88 17.8 14.3 21.5



#39

1,2-Dichloropropane

Concen: 6.474 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.372 min

Lab File: VL042144.D

Acq: 14 Mar 2025 10:40

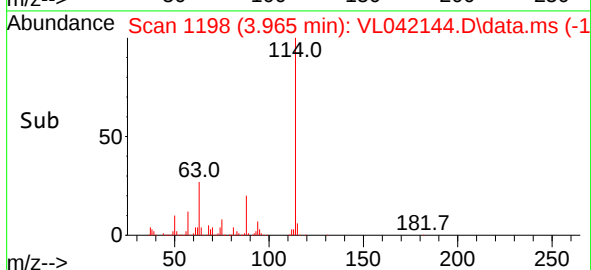
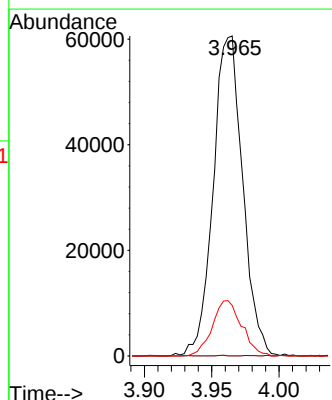
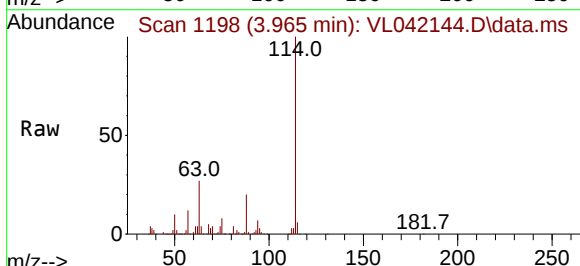
Tgt Ion: 63 Resp: 91699

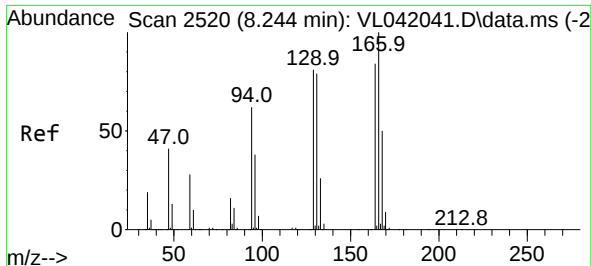
Ion Ratio Lower Upper

63 100

41 0.0 60.1 90.1#

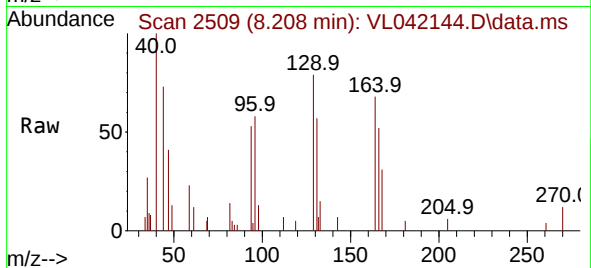
62 15.8 55.8 83.8#



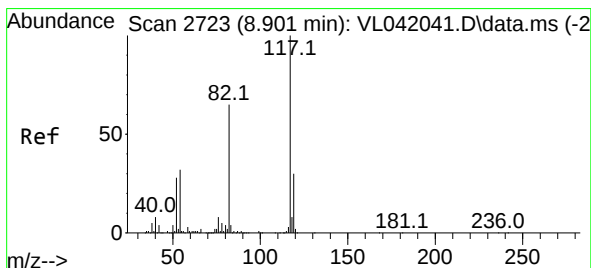
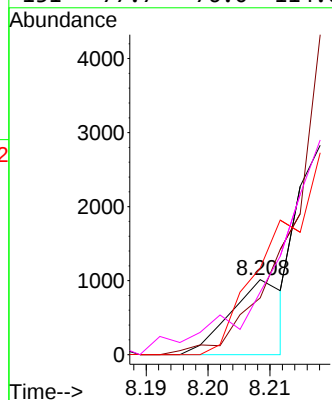
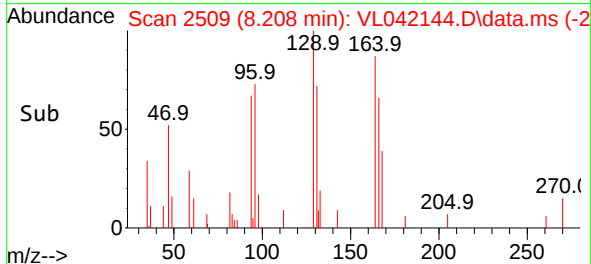


#52
Tetrachloroethene
Concen: 0.047 ppbv
RT: 8.208 min Scan# 2118
Delta R.T. -0.036 min
Lab File: VL042144.D
Acq: 14 Mar 2025 10:40

Instrument :
MSVOA_L
ClientSampleId :
QC031225 CAN 10300

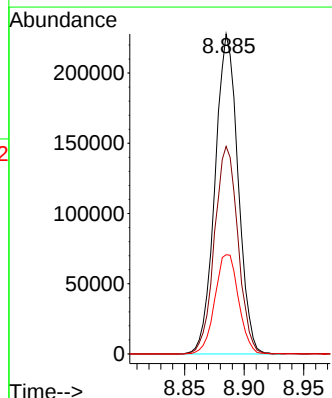
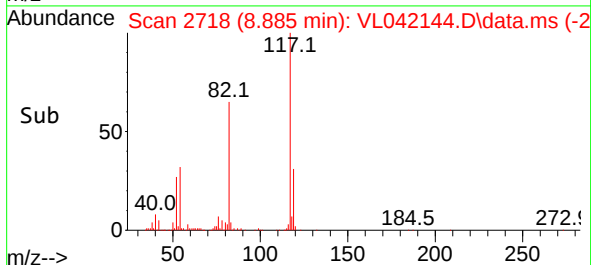
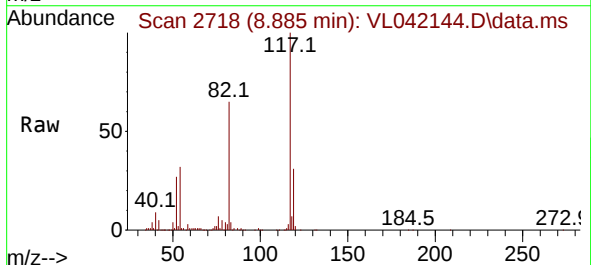


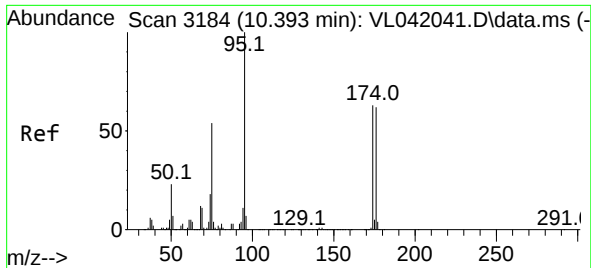
Tgt Ion:164 Resp: 606
Ion Ratio Lower Upper
164 100
166 70.6 95.7 143.5#
129 115.4 77.1 115.7
131 77.7 76.0 114.0



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. -0.016 min
Lab File: VL042144.D
Acq: 14 Mar 2025 10:40

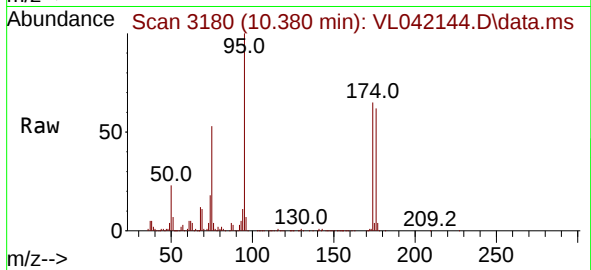
Tgt Ion:117 Resp: 305960
Ion Ratio Lower Upper
117 100
82 66.2 55.0 82.6
119 32.1 25.9 38.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.025 ppbv
 RT: 10.380 min Scan# 31
 Delta R.T. -0.013 min
 Lab File: VL042144.D
 Acq: 14 Mar 2025 10:40

Instrument :
 MSVOA_L
 ClientSampleId :
 QC031225 CAN 10300



Tgt Ion: 95 Resp: 235975
 Ion Ratio Lower Upper
 95 100
 174 64.2 51.8 77.6
 175 4.7 3.9 5.9

