

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
 Data File : VL042493.D
 Acq On : 06 May 2025 12:51
 Operator : SY/MD
 Sample : QC042325 CAN 10683
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC042325 CAN 10683

Quant Time: May 07 01:38:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 02 03:16:31 2025
 Response via : Initial Calibration

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

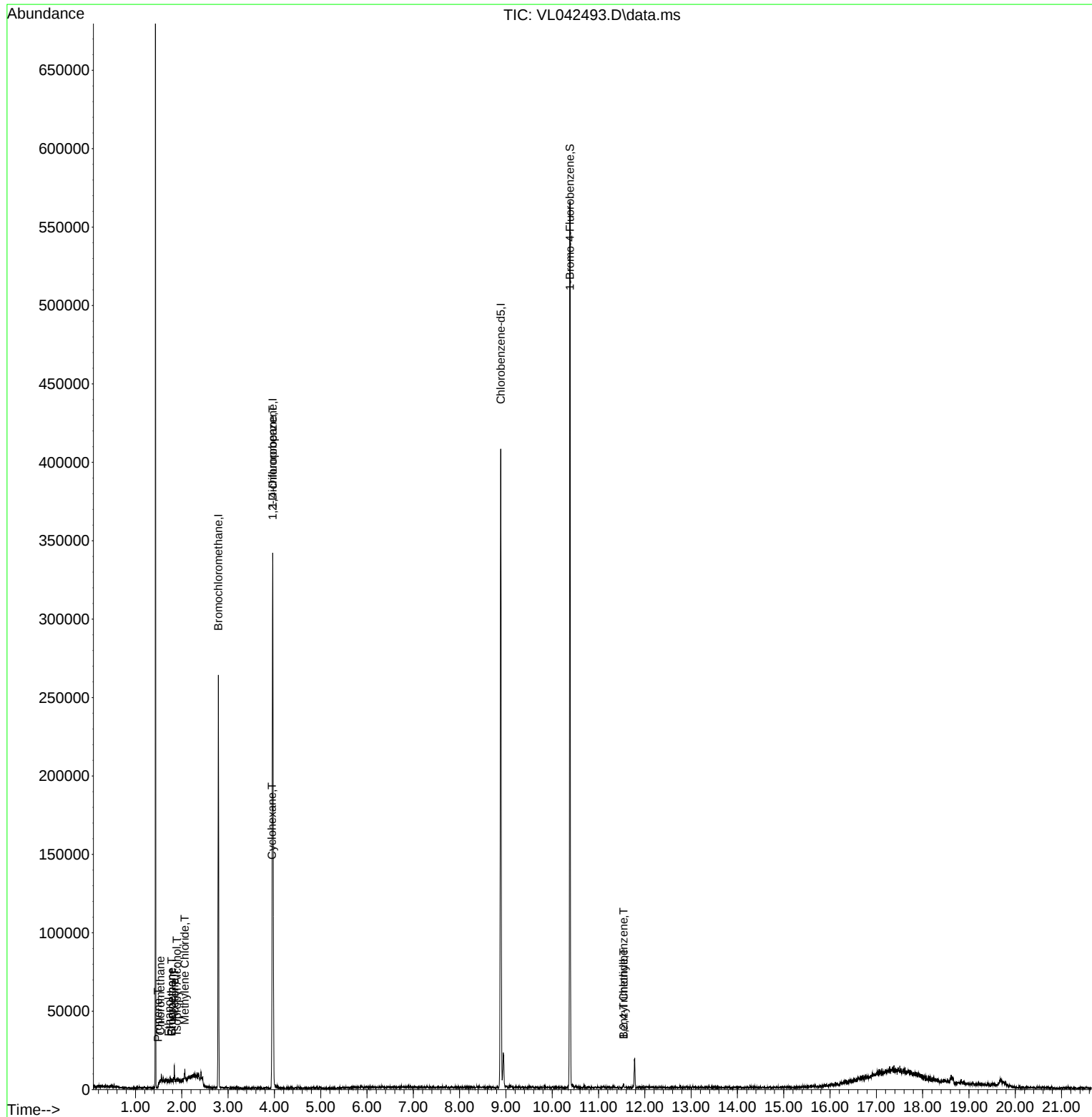
Internal Standards						
1) Bromochloromethane	2.790	49	64869	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	169609	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	142696	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	128799	9.735	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.400%
Target Compounds						
					Qvalue	
4) Chloromethane	1.534	50	290	0.065	ppbv #	87
7) Chloroethane	1.777	64	45	0.027	ppbv #	79
9) Propene	1.486	41	150	0.040	ppbv	88
13) Ethanol	1.719	45	298	0.396	ppbv #	37
14) Bromoethene	1.777	108	64	0.022	ppbv #	1
15) Acetone	1.839	43	4161	0.351	ppbv #	83
19) Isopropyl Alcohol	1.890	45	232	0.035	ppbv #	94
20) Methylene Chloride	2.065	84	910	0.256	ppbv	85
30) Cyclohexane	3.949	84	309	0.045	ppbv #	3
39) 1,2-Dichloropropane	3.965	63	48764	8.138	ppbv #	21
66) Benzyl Chloride	11.542	91	146	0.049	ppbv #	67
74) 1,2,4-Trimethylbenzene	11.542	105	812	0.032	ppbv #	66

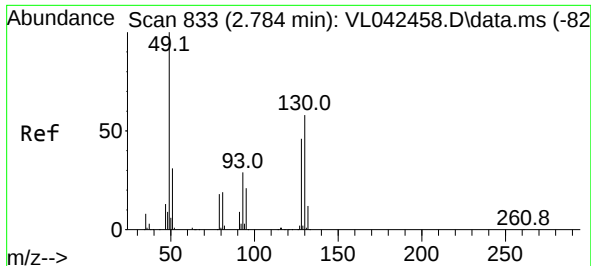
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 07 01:38:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

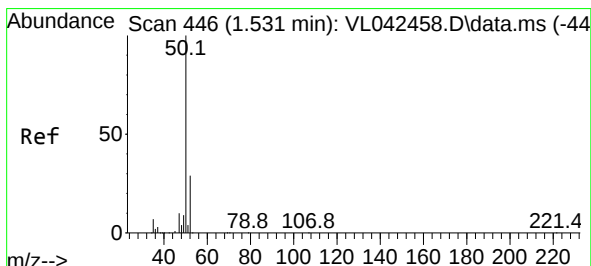
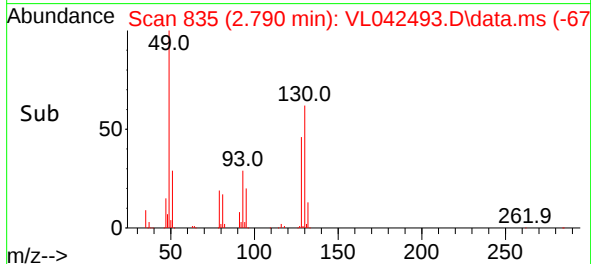
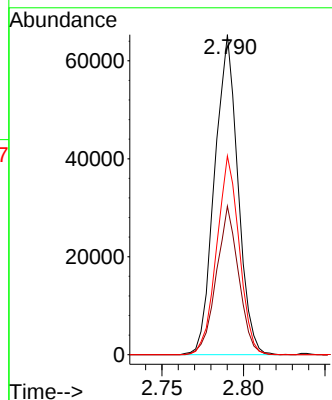
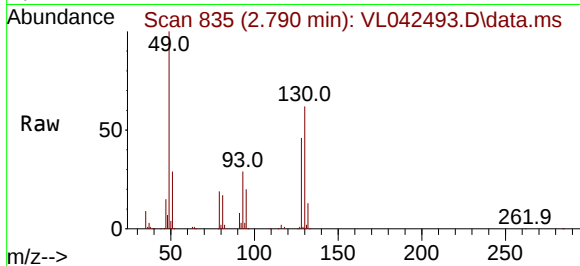




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042493.D
Acq: 06 May 2025 12:51

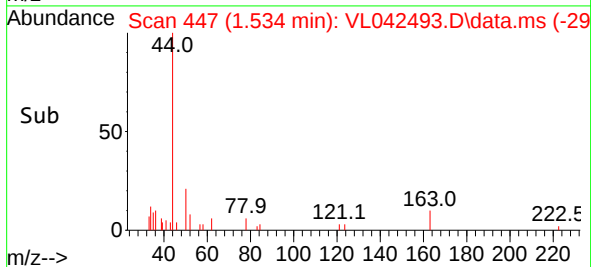
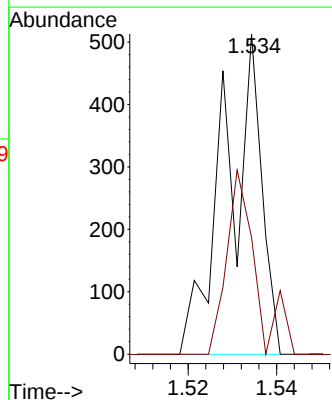
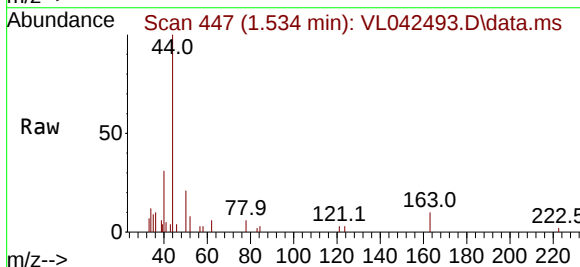
Instrument :
MSVOA_L
ClientSampleId :
QC042325 CAN 10683

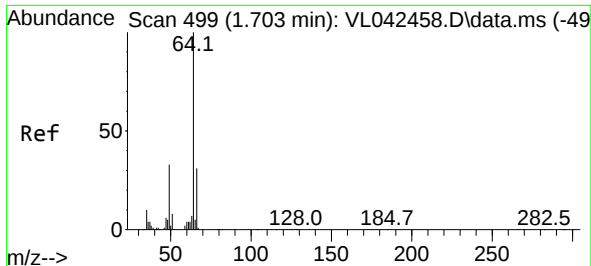
Tgt Ion: 49 Resp: 64869
Ion Ratio Lower Upper
49 100
128 44.5 23.3 69.9
130 60.1 29.5 88.6



#4
Chloromethane
Concen: 0.065 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042493.D
Acq: 06 May 2025 12:51

Tgt Ion: 50 Resp: 290
Ion Ratio Lower Upper
50 100
52 36.5 23.5 35.3#

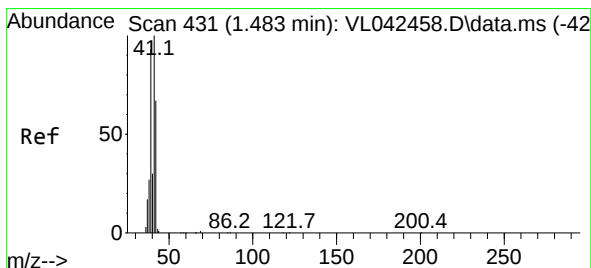
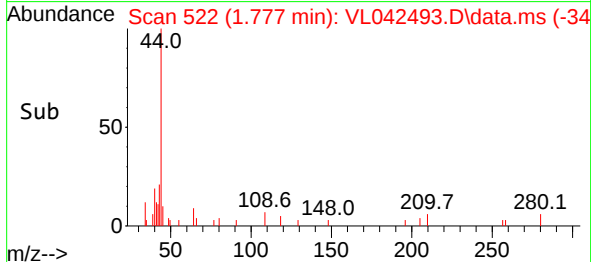
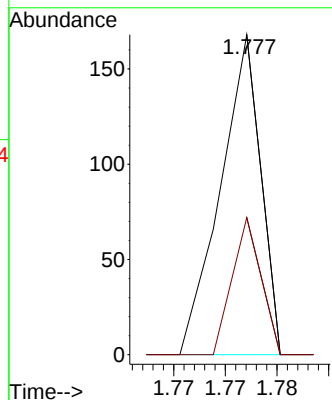
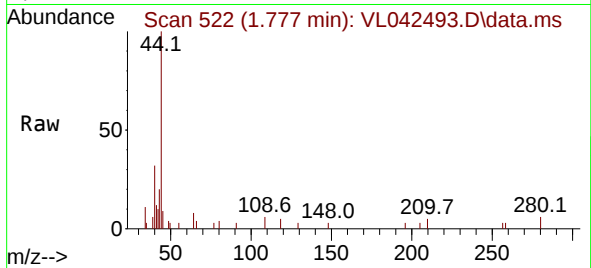




#7
Chloroethane
Concen: 0.027 ppbv
RT: 1.777 min Scan# 51
Delta R.T. 0.074 min
Lab File: VL042493.D
Acq: 06 May 2025 12:51

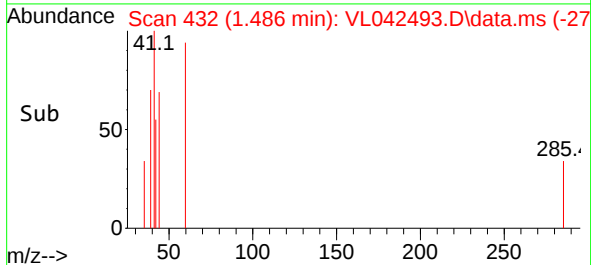
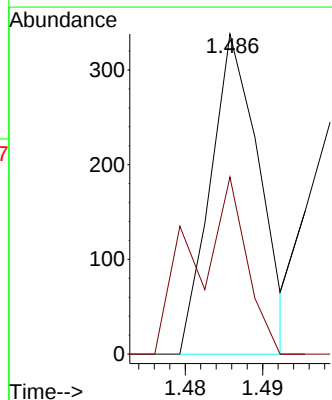
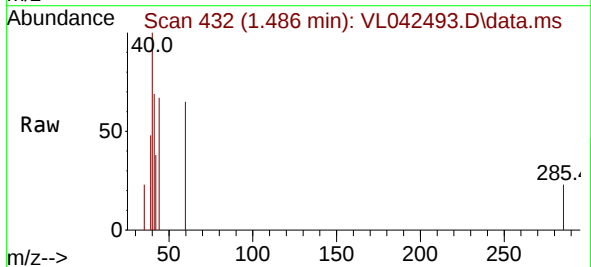
Instrument :
MSVOA_L
ClientSampleId :
QC042325 CAN 10683

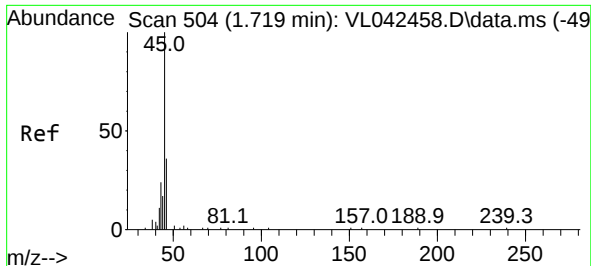
Tgt Ion: 64 Resp: 45
Ion Ratio Lower Upper
64 100
66 42.9 25.0 37.4#



#9
Propene
Concen: 0.040 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042493.D
Acq: 06 May 2025 12:51

Tgt Ion: 41 Resp: 150
Ion Ratio Lower Upper
41 100
42 58.0 54.3 81.5

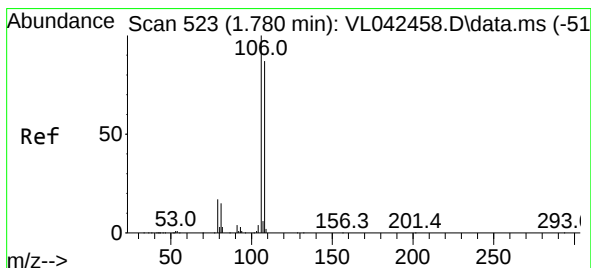
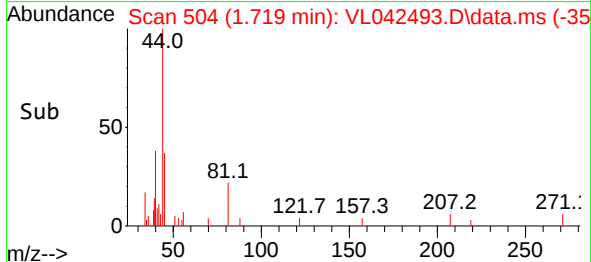
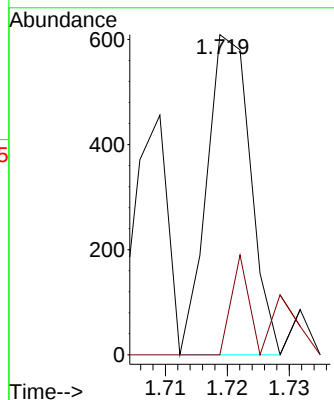
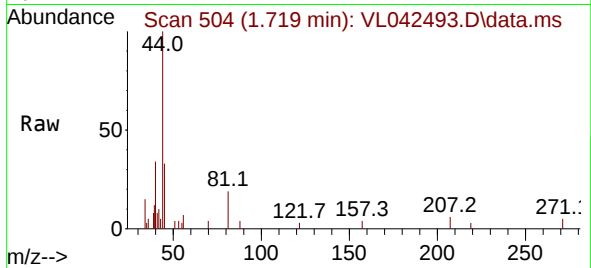




#13
Ethanol
Concen: 0.396 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042493.D
Acq: 06 May 2025 12:51

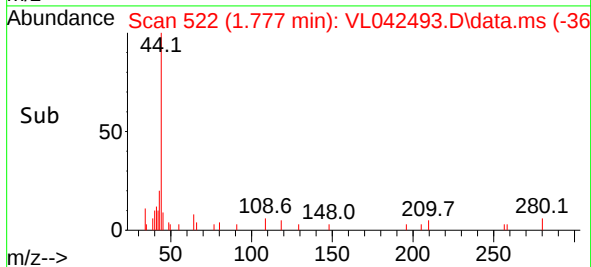
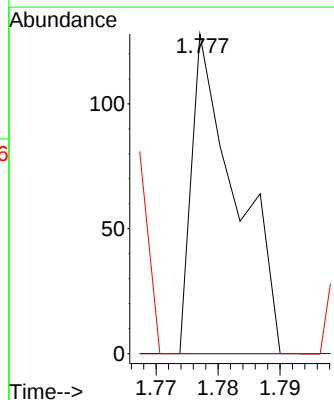
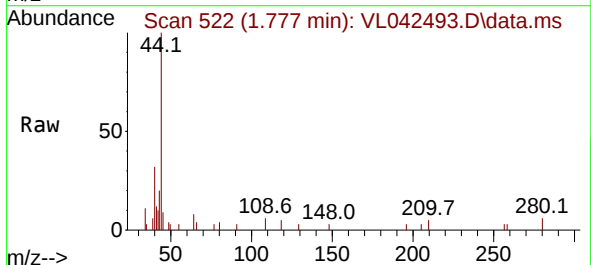
Instrument :
MSVOA_L
ClientSampleId :
QC042325 CAN 10683

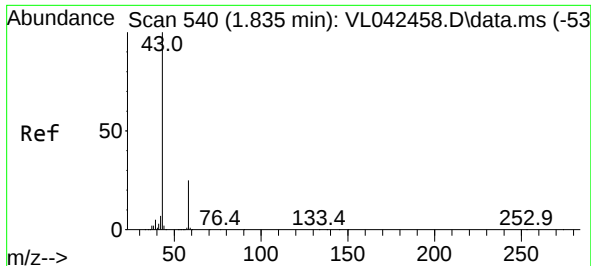
Tgt Ion: 45 Resp: 298
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.1#



#14
Bromoethene
Concen: 0.022 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.003 min
Lab File: VL042493.D
Acq: 06 May 2025 12:51

Tgt Ion: 108 Resp: 64
Ion Ratio Lower Upper
108 100
106 0.0 88.8 133.2#
79 126.6 17.1 25.7#

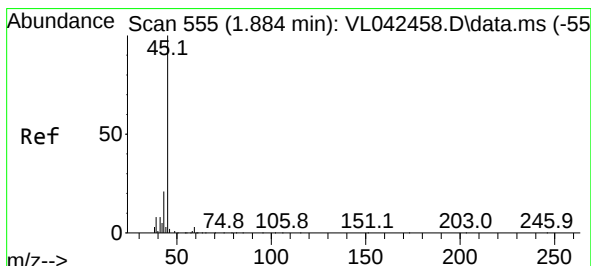
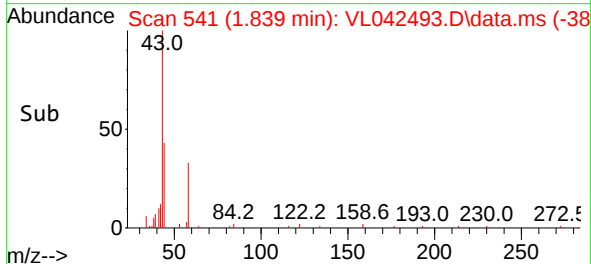
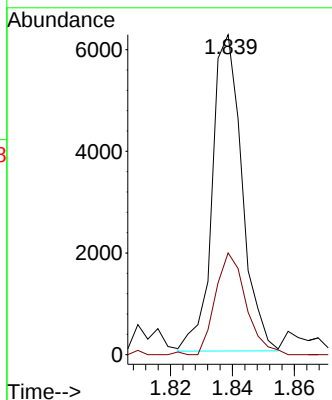
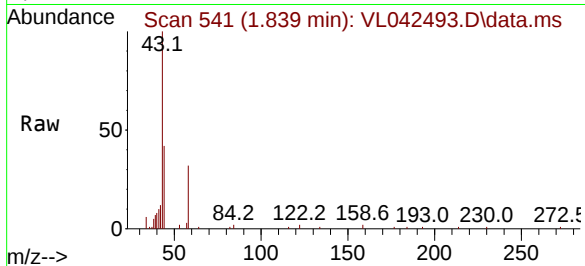




#15
Acetone
Concen: 0.351 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042493.D
Acq: 06 May 2025 12:51

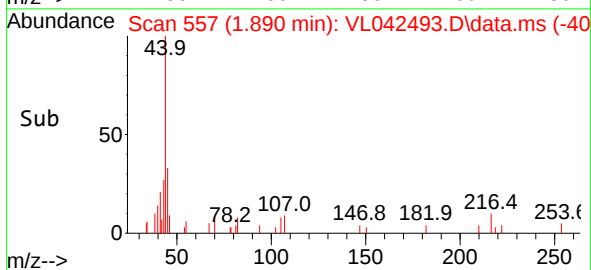
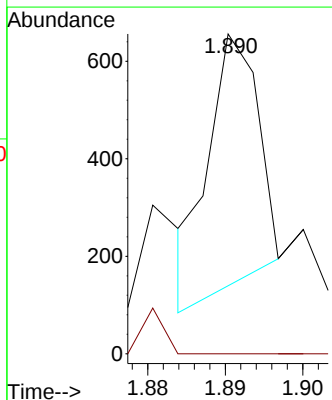
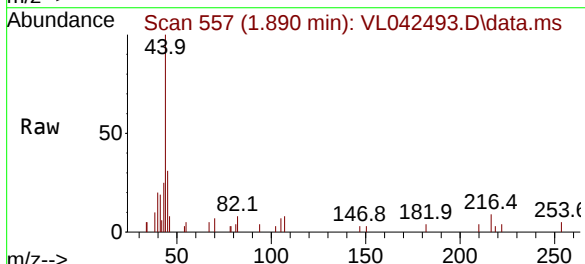
Instrument :
MSVOA_L
ClientSampleId :
QC042325 CAN 10683

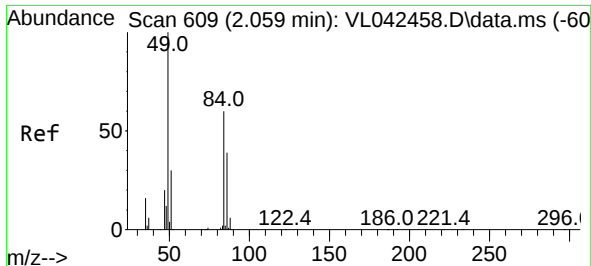
Tgt Ion: 43 Resp: 4161
Ion Ratio Lower Upper
43 100
58 33.5 19.8 29.8#



#19
Isopropyl Alcohol
Concen: 0.035 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.006 min
Lab File: VL042493.D
Acq: 06 May 2025 12:51

Tgt Ion: 45 Resp: 232
Ion Ratio Lower Upper
45 100
58 0.0 1.6 2.4#

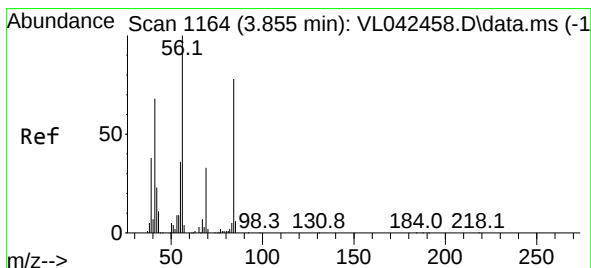
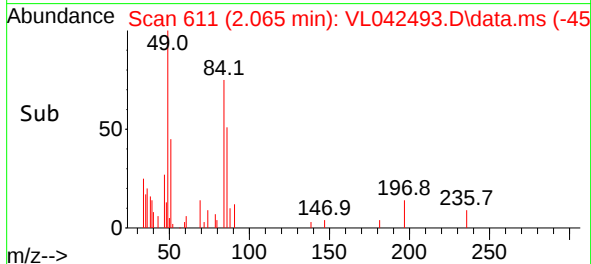
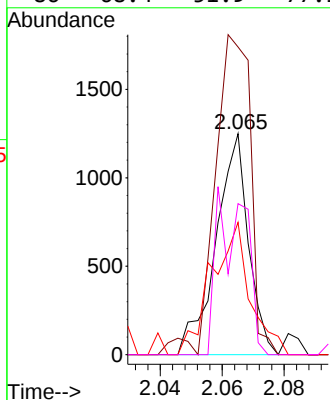
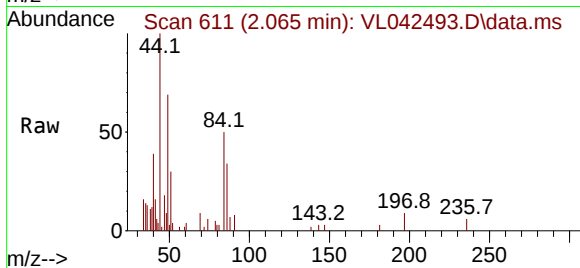




#20
Methylene Chloride
Concen: 0.256 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042493.D
Acq: 06 May 2025 12:51

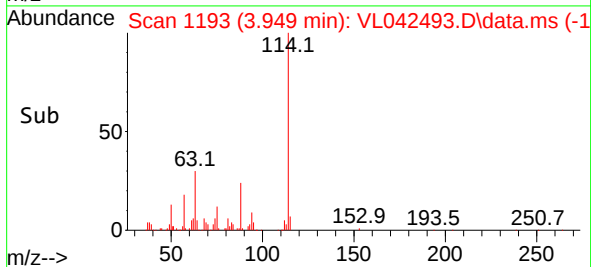
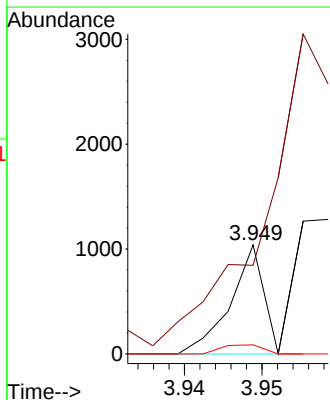
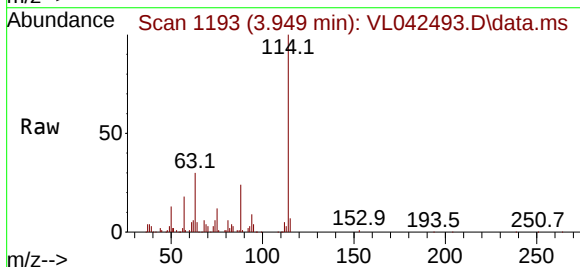
Instrument :
MSVOA_L
ClientSampleId :
QC042325 CAN 10683

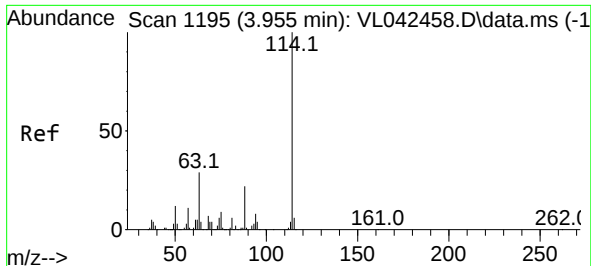
Tgt Ion:	84	Resp:	910
Ion	Ratio	Lower	Upper
84	100		
49	139.2	133.9	200.9
51	59.9	41.0	61.6
86	68.4	51.9	77.9



#30
Cyclohexane
Concen: 0.045 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. 0.094 min
Lab File: VL042493.D
Acq: 06 May 2025 12:51

Tgt Ion:	84	Resp:	309
Ion	Ratio	Lower	Upper
84	100		
56	0.0	98.1	147.1#
41	10.7	65.8	98.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.006 min

Lab File: VL042493.D

Acq: 06 May 2025 12:51

Instrument :

MSVOA_L

ClientSampleId :

QC042325 CAN 10683

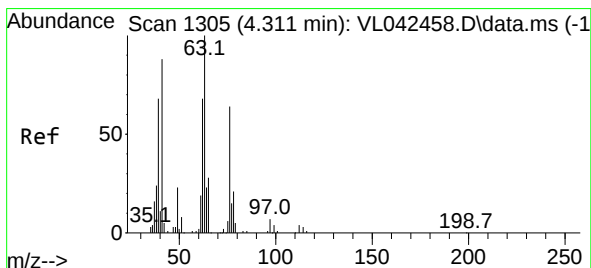
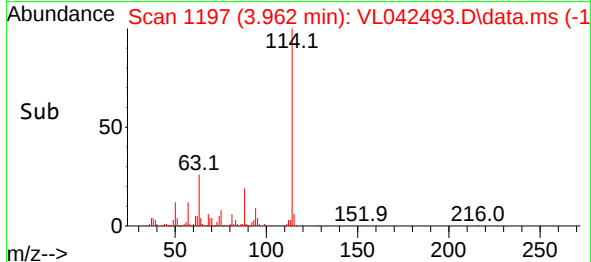
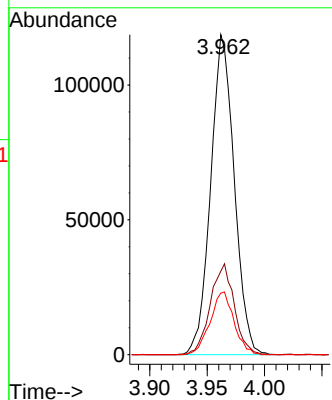
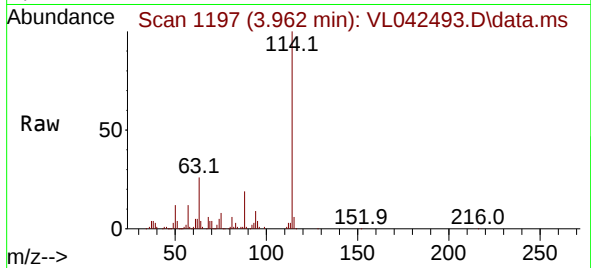
Tgt Ion:114 Resp: 169609

Ion Ratio Lower Upper

114 100

63 28.8 23.1 34.7

88 19.9 16.1 24.1



#39

1,2-Dichloropropane

Concen: 8.138 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.346 min

Lab File: VL042493.D

Acq: 06 May 2025 12:51

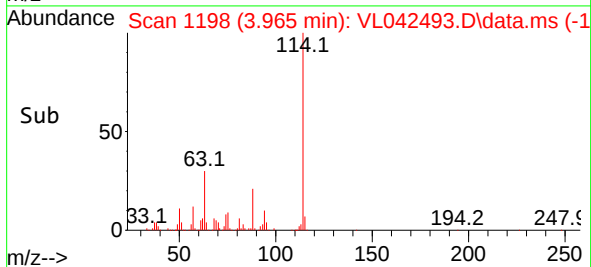
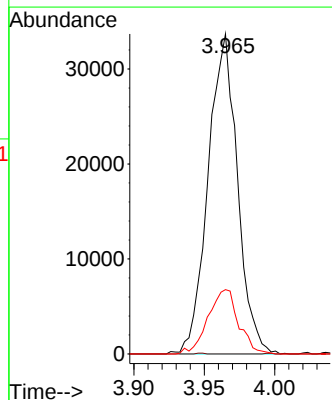
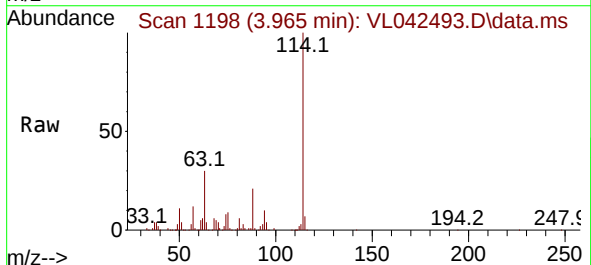
Tgt Ion: 63 Resp: 48764

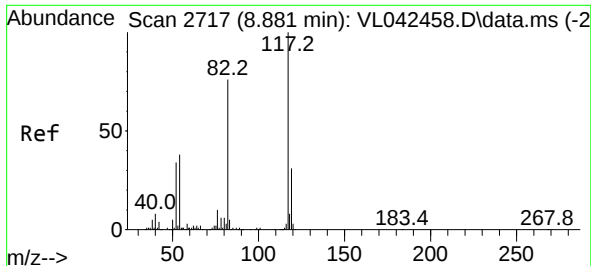
Ion Ratio Lower Upper

63 100

41 0.0 69.8 104.6#

62 20.1 54.3 81.5#

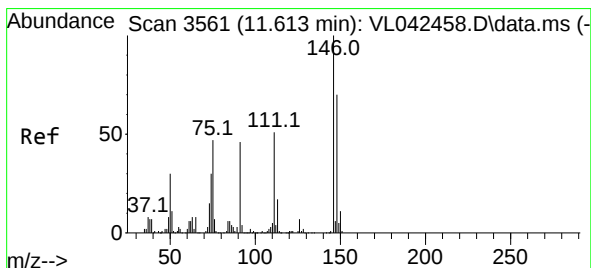
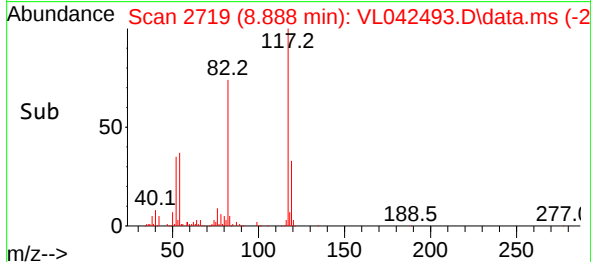
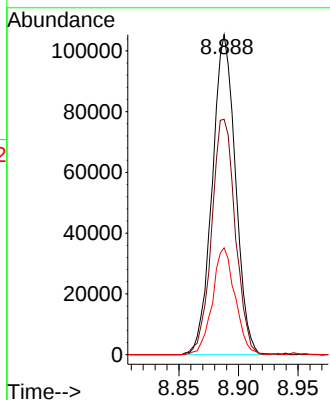
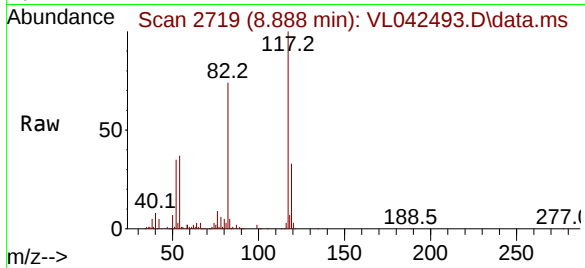




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042493.D
Acq: 06 May 2025 12:51

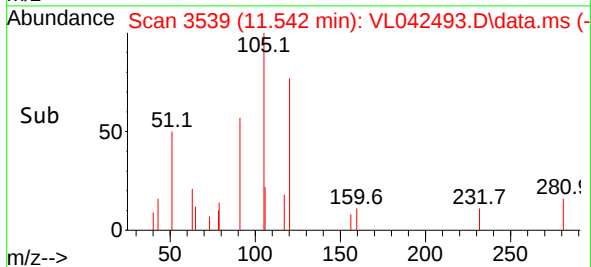
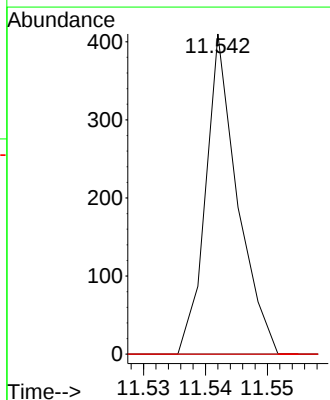
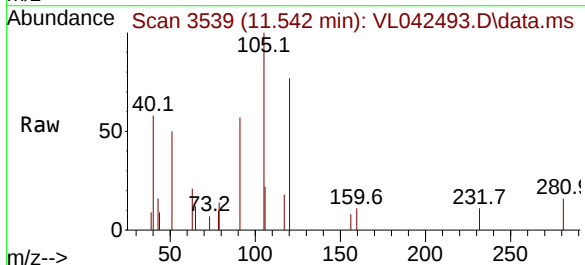
Instrument :
MSVOA_L
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QC042325 CAN 10683

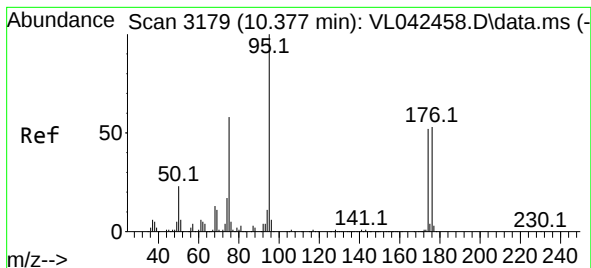
Tgt Ion: 117 Resp: 142696
Ion Ratio Lower Upper
117 100
82 75.0 63.5 95.3
119 32.6 25.8 38.8



#66
Benzyl Chloride
Concen: 0.049 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. -0.071 min
Lab File: VL042493.D
Acq: 06 May 2025 12:51

Tgt Ion: 91 Resp: 146
Ion Ratio Lower Upper
91 100
126 0.0 13.3 19.9#
128 0.0 4.2 6.4#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.735 ppbv

RT: 10.383 min Scan# 3179

Delta R.T. 0.006 min

Lab File: VL042493.D

Acq: 06 May 2025 12:51

Instrument :

MSVOA_L

ClientSampleId :

QC042325 CAN 10683

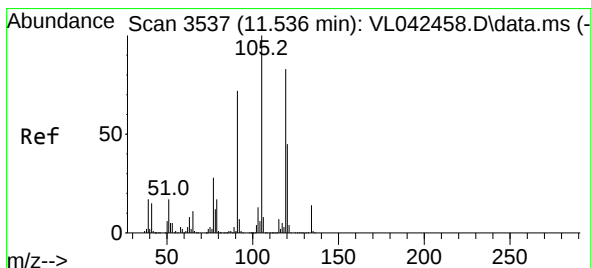
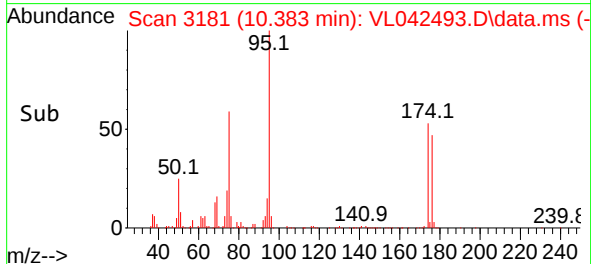
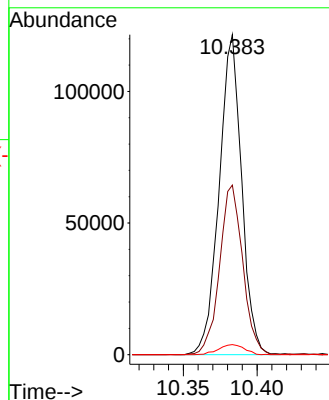
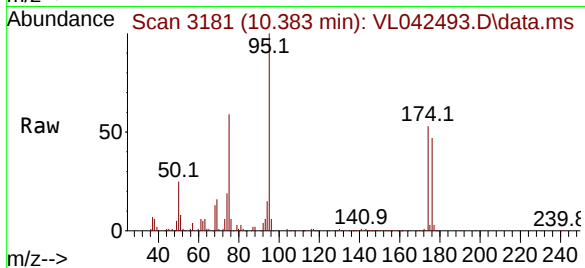
Tgt Ion: 95 Resp: 128799

Ion Ratio Lower Upper

95 100

174 54.8 42.7 64.1

175 3.6 3.6 5.4



#74

1,2,4-Trimethylbenzene

Concen: 0.032 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.006 min

Lab File: VL042493.D

Acq: 06 May 2025 12:51

Tgt Ion: 105 Resp: 812

Ion Ratio Lower Upper

105 100

120 63.4 36.1 54.1#

91 46.3 57.6 86.4#

77 0.0 22.1 33.1#

