

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
 Data File : VL042490.D
 Acq On : 06 May 2025 11:15
 Operator : SY/MD
 Sample : QC043025 CAN 10605
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC043025 CAN 10605

Quant Time: May 07 01:37:40 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

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

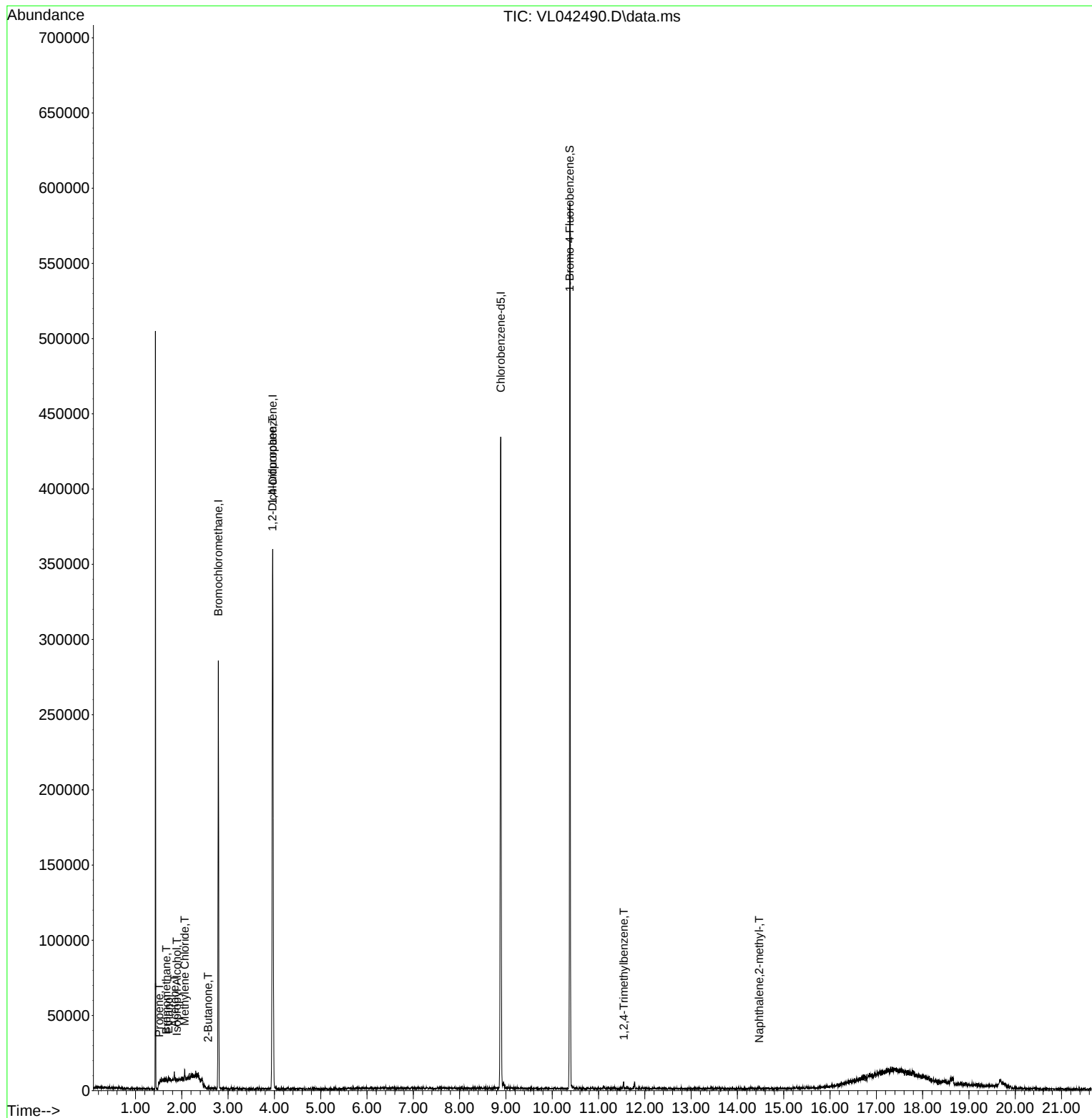
Internal Standards						
1) Bromochloromethane	2.790	49	71310	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	187765	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	155591	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	140282	9.725	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.200%
Target Compounds						
					Qvalue	
6) Bromomethane	1.670	94	47	0.020	ppbv #	6
9) Propene	1.512	41	180	0.044	ppbv	86
13) Ethanol	1.712	45	58	0.070	ppbv #	37
15) Acetone	1.839	43	2371	0.182	ppbv	92
19) Isopropyl Alcohol	1.890	45	219	0.030	ppbv #	94
20) Methylene Chloride	2.065	84	797	0.204	ppbv #	76
34) 2-Butanone	2.567	43	432	0.032	ppbv #	55
39) 1,2-Dichloropropane	3.959	63	55440	8.358	ppbv #	19
74) 1,2,4-Trimethylbenzene	11.545	105	1316	0.048	ppbv #	49
80) Naphthalene,2-methyl-	14.471	142	379	0.022	ppbv #	64

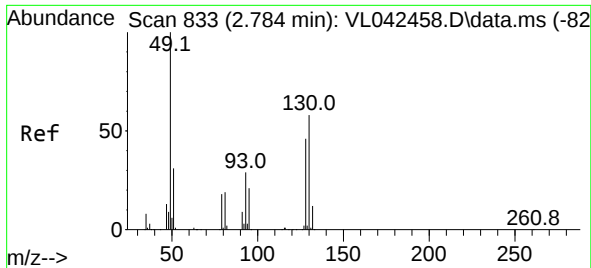
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 02 03:16:31 2025
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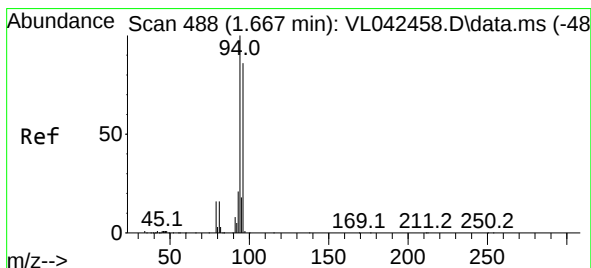
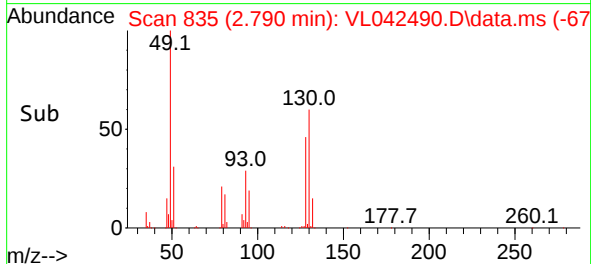
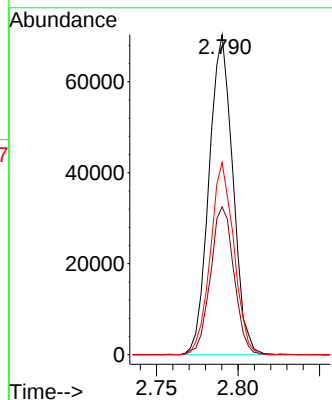
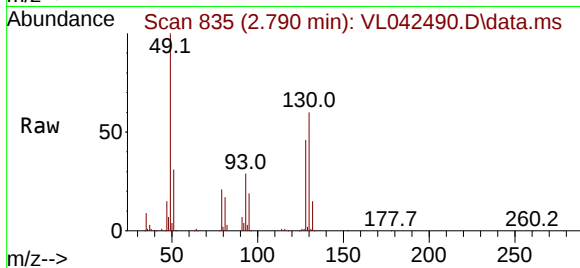




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042490.D
Acq: 06 May 2025 11:15

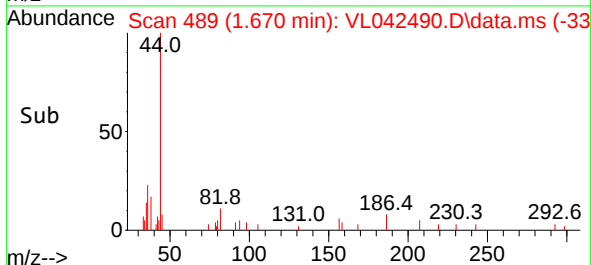
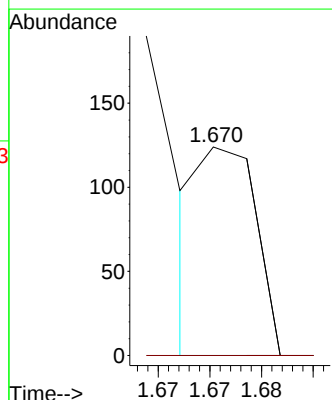
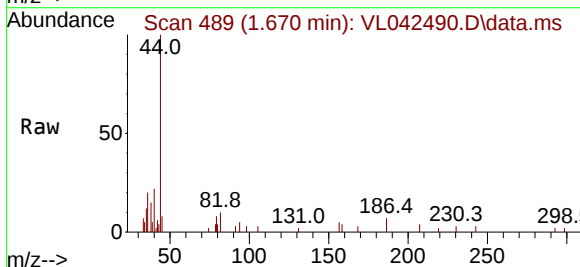
Instrument :
MSVOA_L
ClientSampleId :
QC043025 CAN 10605

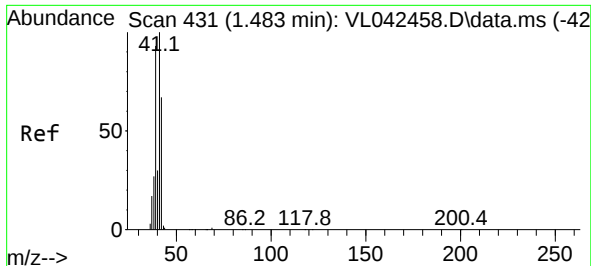
Tgt Ion: 49 Resp: 71310
Ion Ratio Lower Upper
49 100
128 45.9 23.3 69.9
130 59.3 29.5 88.6



#6
Bromomethane
Concen: 0.020 ppbv
RT: 1.670 min Scan# 489
Delta R.T. 0.003 min
Lab File: VL042490.D
Acq: 06 May 2025 11:15

Tgt Ion: 94 Resp: 47
Ion Ratio Lower Upper
94 100
96 0.0 68.8 103.2#





#9

Propene

Concen: 0.044 ppbv

RT: 1.512 min Scan# 44

Delta R.T. 0.029 min

Lab File: VL042490.D

Acq: 06 May 2025 11:15

Instrument :

MSVOA_L

ClientSampleId :

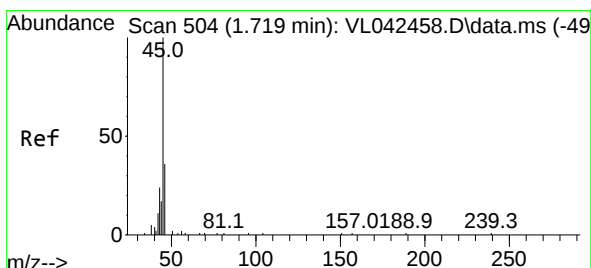
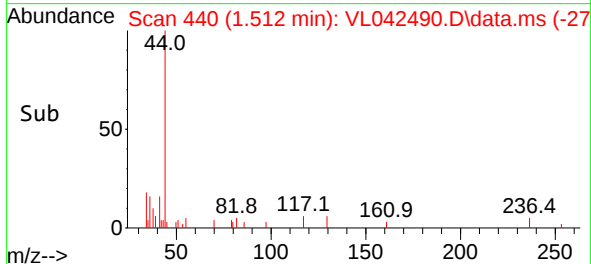
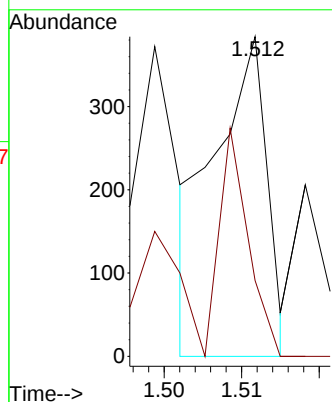
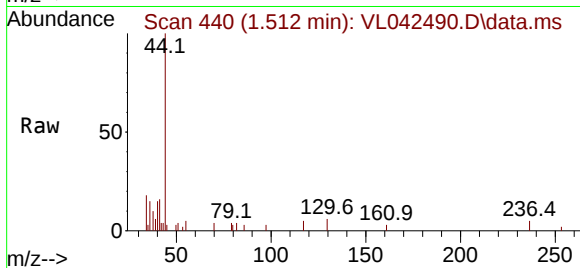
QC043025 CAN 10605

Tgt Ion: 41 Resp: 180

Ion Ratio Lower Upper

41 100

42 78.9 54.3 81.5



#13

Ethanol

Concen: 0.070 ppbv

RT: 1.712 min Scan# 502

Delta R.T. -0.006 min

Lab File: VL042490.D

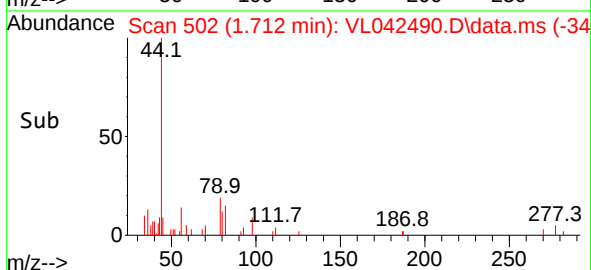
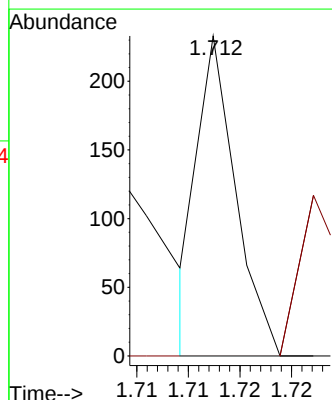
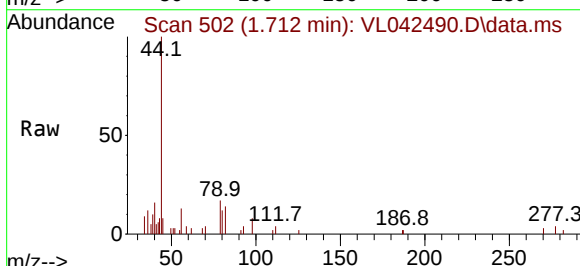
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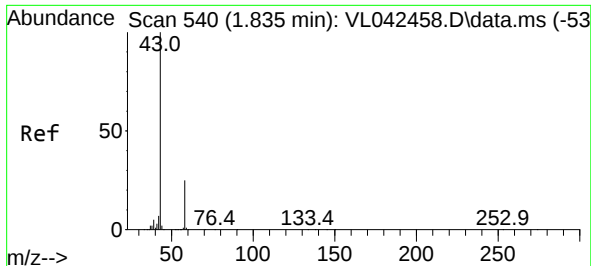
Tgt Ion: 45 Resp: 58

Ion Ratio Lower Upper

45 100

46 0.0 15.3 61.1#





#15

Acetone

Concen: 0.182 ppbv

RT: 1.839 min Scan# 541

Delta R.T. 0.003 min

Lab File: VL042490.D

Acq: 06 May 2025 11:15

Instrument :

MSVOA_L

ClientSampleId :

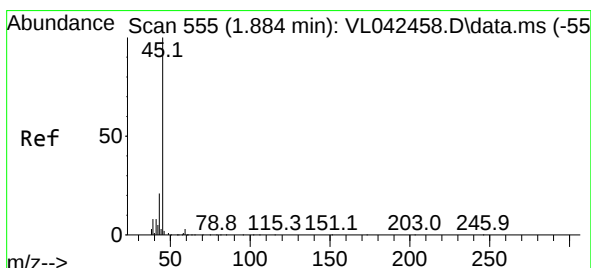
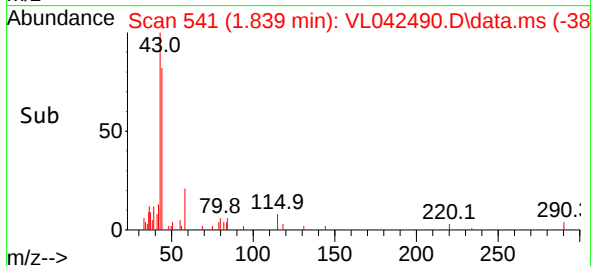
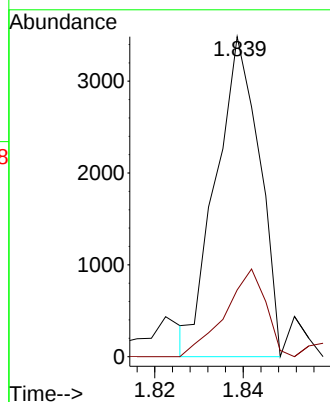
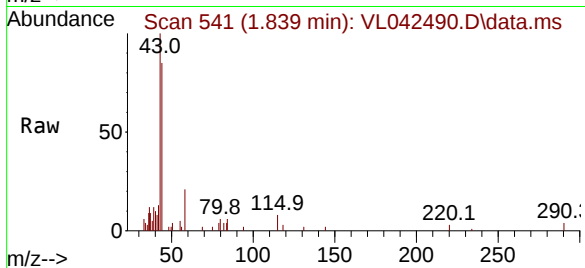
QC043025 CAN 10605

Tgt Ion: 43 Resp: 2371

Ion Ratio Lower Upper

43 100

58 28.6 19.8 29.8



#19

Isopropyl Alcohol

Concen: 0.030 ppbv

RT: 1.890 min Scan# 557

Delta R.T. 0.007 min

Lab File: VL042490.D

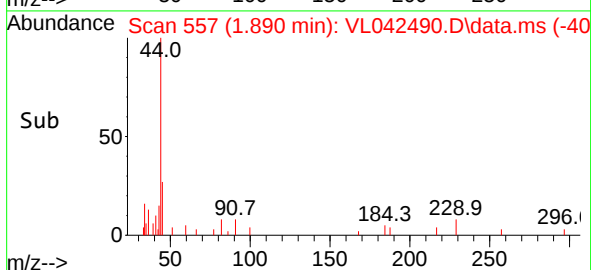
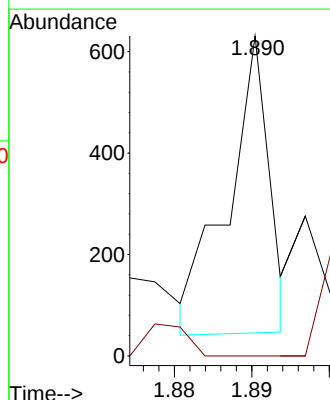
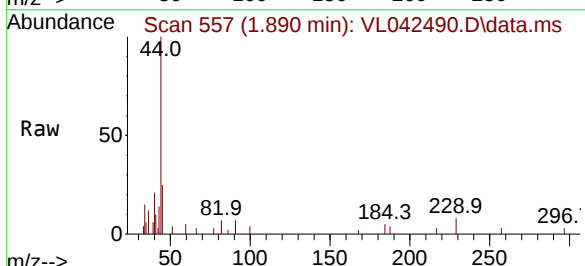
Acq: 06 May 2025 11:15

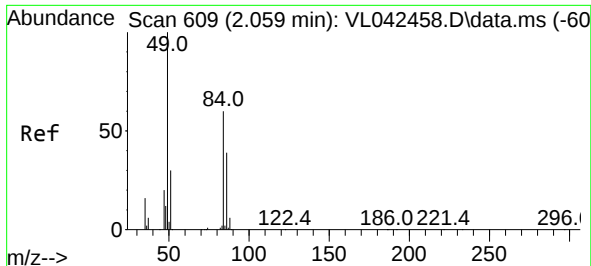
Tgt Ion: 45 Resp: 219

Ion Ratio Lower Upper

45 100

58 0.0 1.6 2.4#

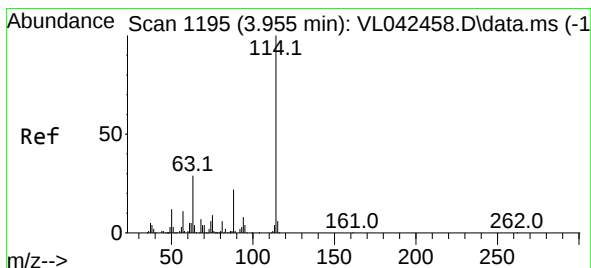
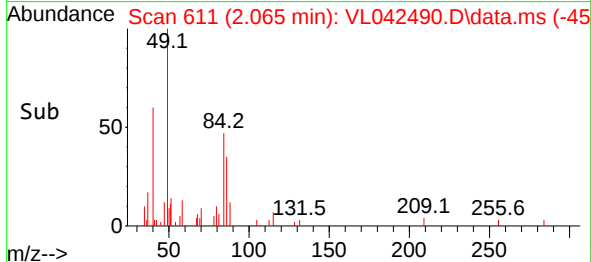
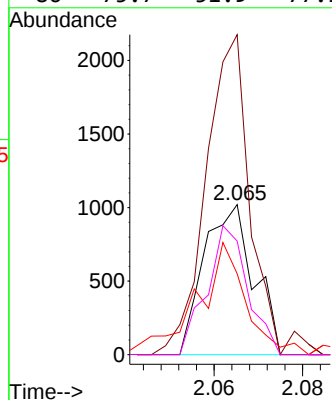
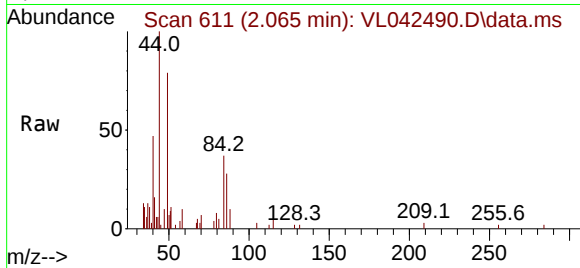




#20
Methylene Chloride
Concen: 0.204 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.007 min
Lab File: VL042490.D
Acq: 06 May 2025 11:15

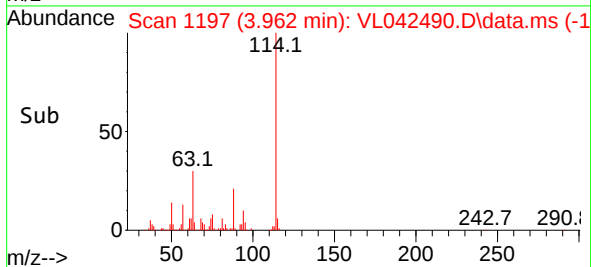
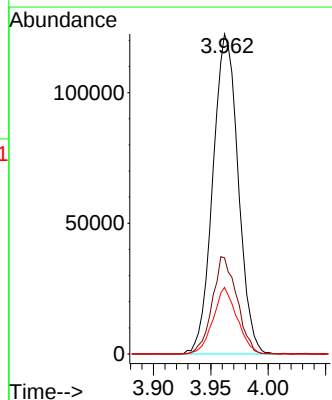
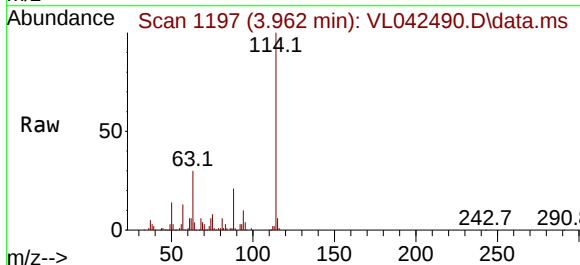
Instrument :
MSVOA_1
ClientSampleId :
QC043025 CAN 10605

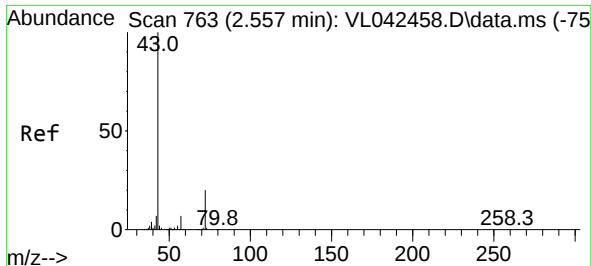
Tgt Ion:	84	Resp:	797
Ion	Ratio	Lower	Upper
84	100		
49	213.2	133.9	200.9#
51	48.9	41.0	61.6
86	75.7	51.9	77.9



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.007 min
Lab File: VL042490.D
Acq: 06 May 2025 11:15

Tgt Ion:	114	Resp:	187765
Ion	Ratio	Lower	Upper
114	100		
63	29.5	23.1	34.7
88	19.7	16.1	24.1

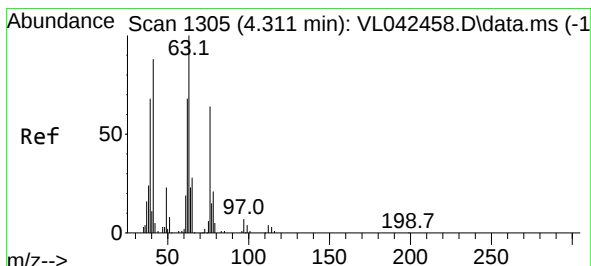
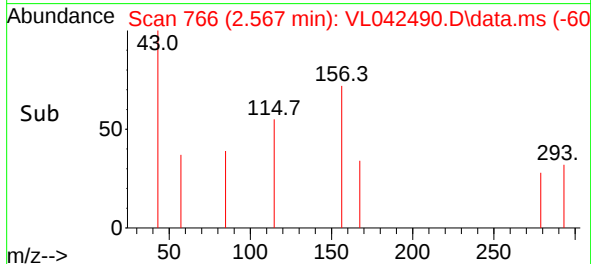
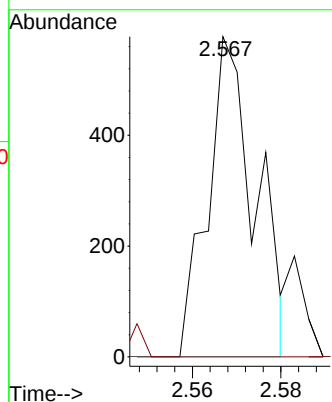
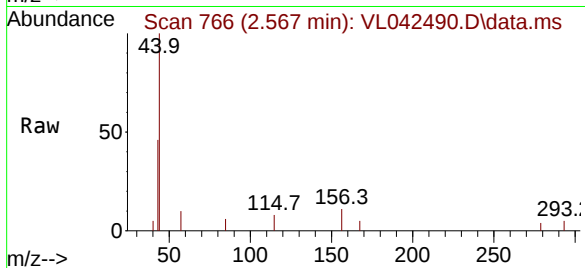




#34
2-Butanone
Concen: 0.032 ppbv
RT: 2.567 min Scan# 71
Delta R.T. 0.010 min
Lab File: VL042490.D
Acq: 06 May 2025 11:15

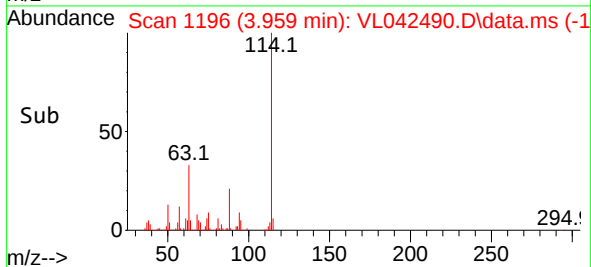
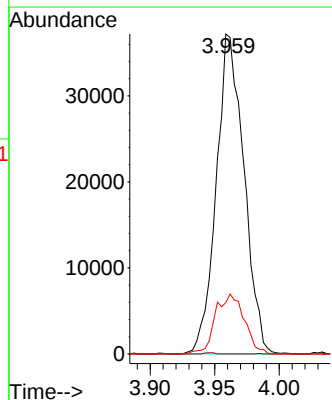
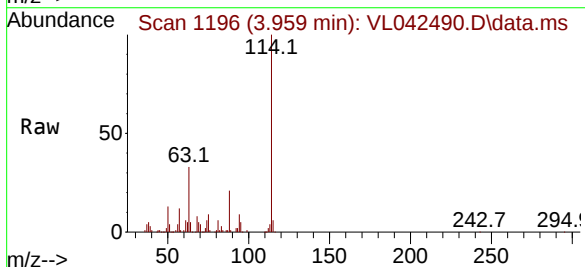
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ClientSampleId :
QC043025 CAN 10605

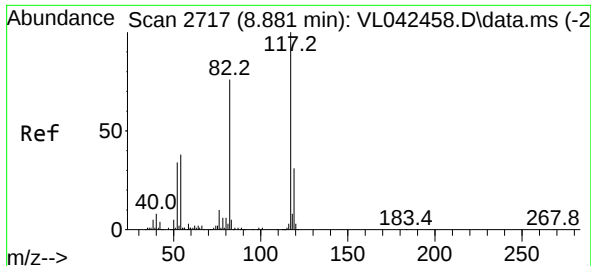
Tgt Ion: 43 Resp: 432
Ion Ratio Lower Upper
43 100
72 0.0 16.7 25.1#



#39
1,2-Dichloropropane
Concen: 8.358 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.353 min
Lab File: VL042490.D
Acq: 06 May 2025 11:15

Tgt Ion: 63 Resp: 55440
Ion Ratio Lower Upper
63 100
41 0.0 69.8 104.6#
62 16.0 54.3 81.5#

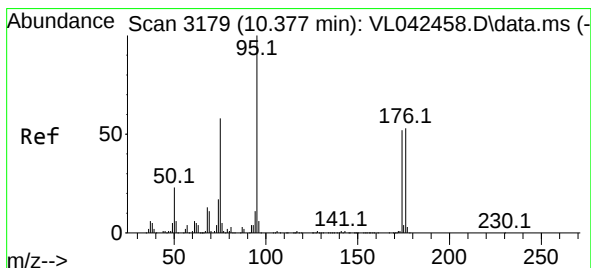
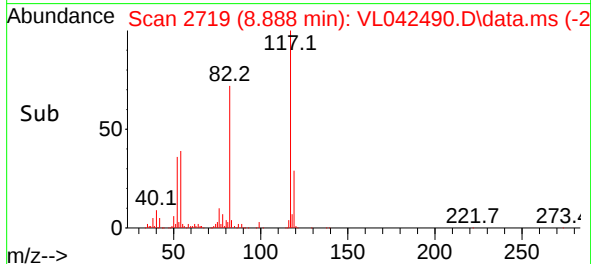
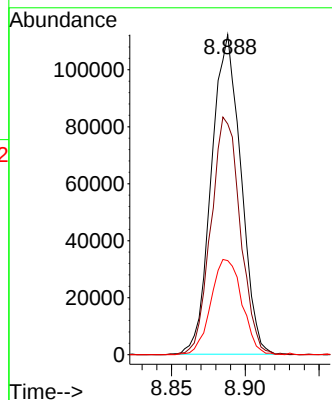
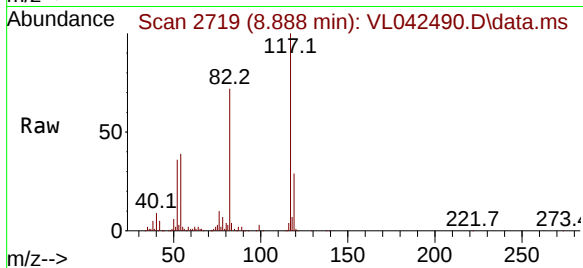




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042490.D
Acq: 06 May 2025 11:15

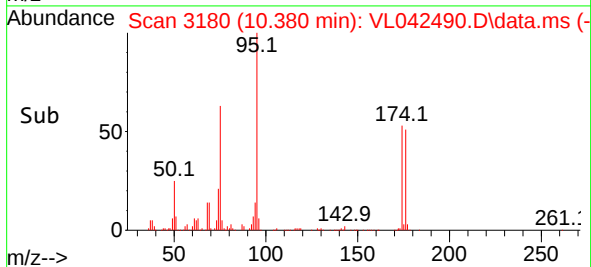
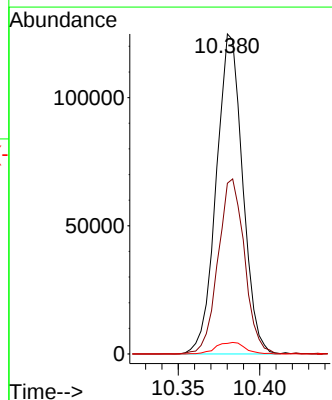
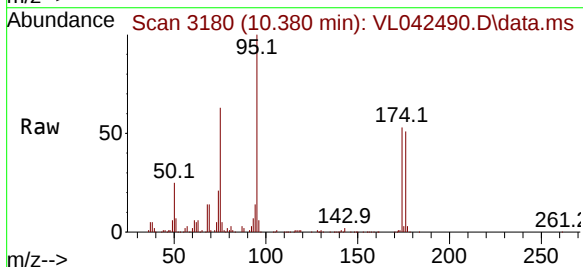
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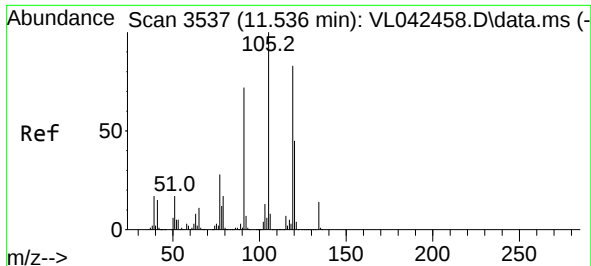
Tgt Ion:117 Resp: 155591
Ion Ratio Lower Upper
117 100
82 74.3 63.5 95.3
119 31.6 25.8 38.8



#68
1-Bromo-4-Fluorobenzene
Concen: 9.725 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.003 min
Lab File: VL042490.D
Acq: 06 May 2025 11:15

Tgt Ion: 95 Resp: 140282
Ion Ratio Lower Upper
95 100
174 55.3 42.7 64.1
175 4.0 3.6 5.4

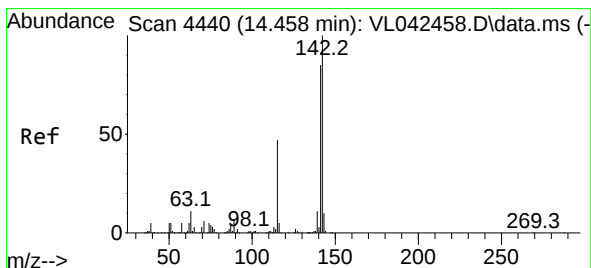
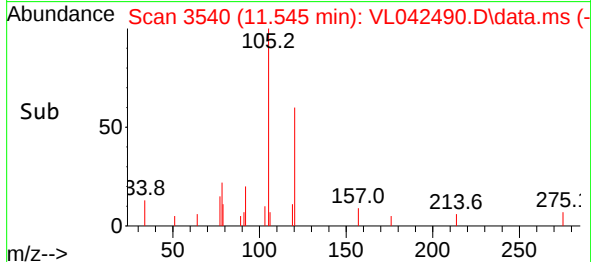
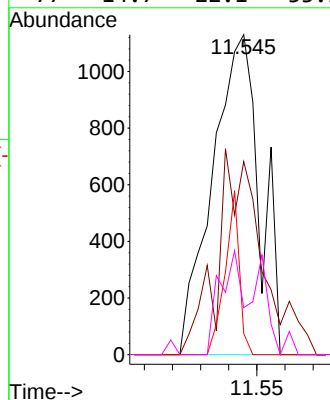
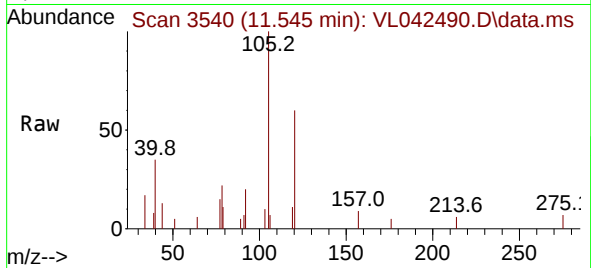




#74
1,2,4-Trimethylbenzene
Concen: 0.048 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. 0.010 min
Lab File: VL042490.D
Acq: 06 May 2025 11:15

Instrument :
MSVOA_L
ClientSampleId :
QC043025 CAN 10605

Tgt Ion:	105	Resp:	1316
Ion	Ratio	Lower	Upper
105	100		
120	60.4	36.1	54.1#
91	6.6	57.6	86.4#
77	14.7	22.1	33.1#



#80
Naphthalene,2-methyl-
Concen: 0.022 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. 0.013 min
Lab File: VL042490.D
Acq: 06 May 2025 11:15

Tgt Ion:	142	Resp:	379
Ion	Ratio	Lower	Upper
142	100		
141	127.7	67.4	101.0#
115	36.9	36.9	55.3

