

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042182.D
 Acq On : 27 Mar 2025 16:41
 Operator : SY/MD
 Sample : QC032625 CAN 10448
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC032625 CAN 10448

Quant Time: Mar 28 02:13:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

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

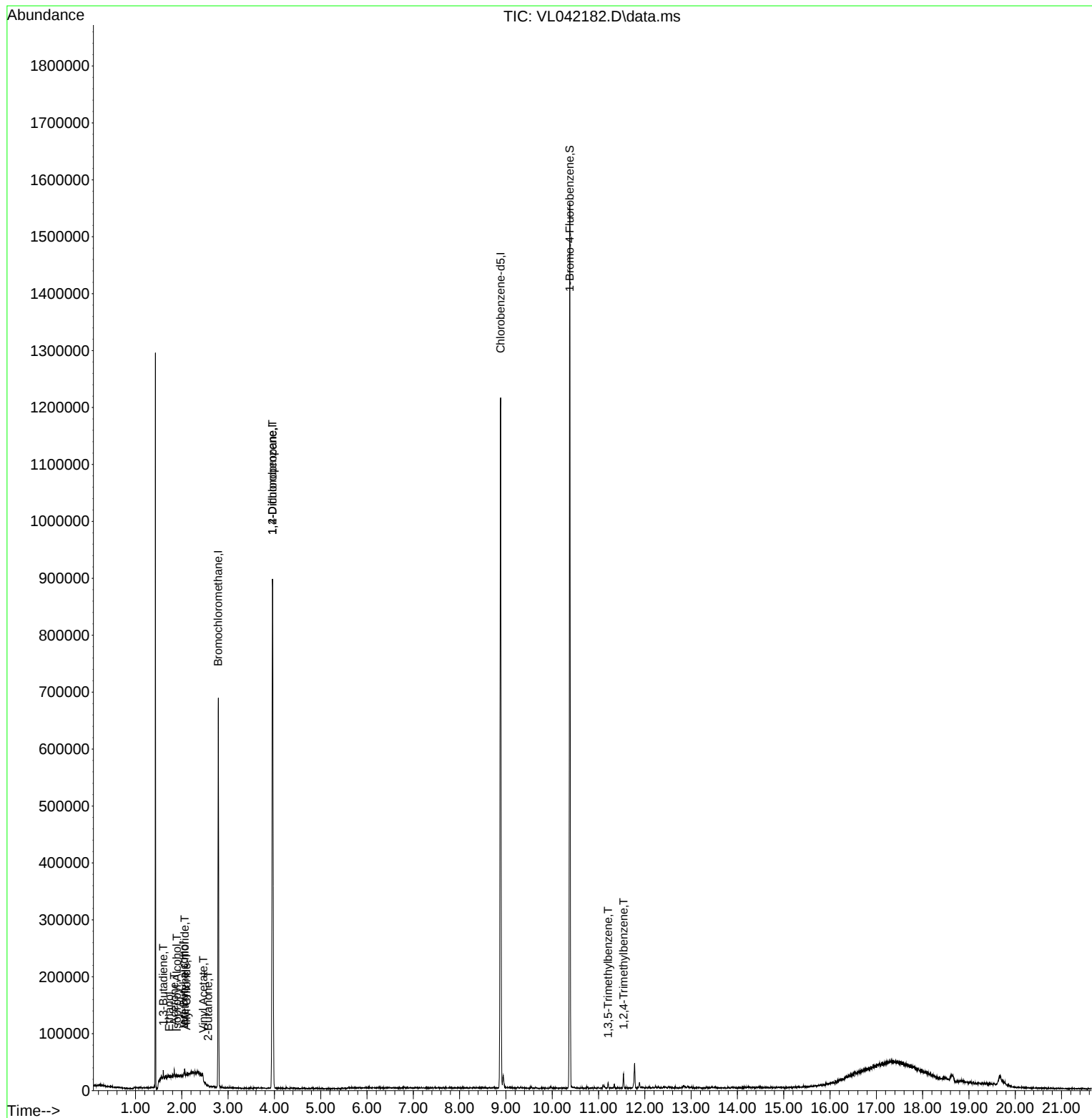
Internal Standards						
1) Bromochloromethane	2.787	49	189309	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	546112	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	504808	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	407475	9.829	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.300%
Target Compounds						
					Qvalue	
13) Ethanol	1.725	45	497	0.402	ppbv #	51
15) Acetone	1.835	43	6083	0.230	ppbv	92
16) 1,3-Butadiene	1.599	39	2472	0.191	ppbv #	41
17) tert-Butyl alcohol	2.046	59	1687	0.051	ppbv #	1
19) Isopropyl Alcohol	1.891	45	689	0.046	ppbv #	30
20) Methylene Chloride	2.062	84	2022	0.205	ppbv #	63
21) Allyl Chloride	2.098	41	617	0.033	ppbv #	21
23) Vinyl Acetate	2.463	43	582	0.051	ppbv #	1
34) 2-Butanone	2.567	43	1216	0.031	ppbv #	88
39) 1,2-Dichloropropane	3.959	63	142898	7.247	ppbv #	22
73) 1,3,5-Trimethylbenzene	11.206	105	3074	0.039	ppbv	94
74) 1,2,4-Trimethylbenzene	11.539	105	9079	0.101	ppbv #	62

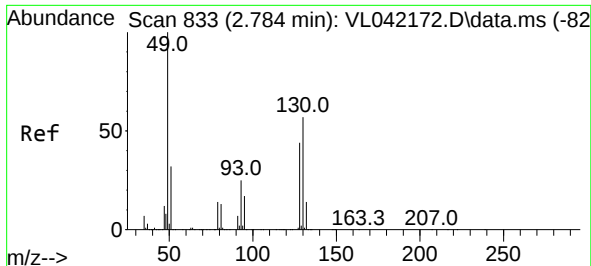
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 28 02:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

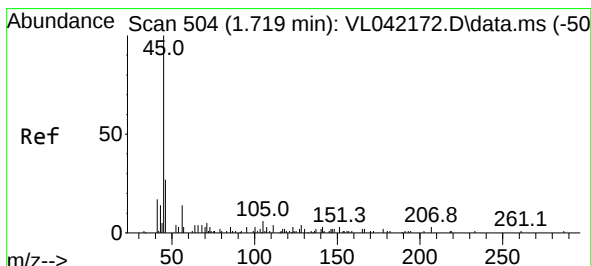
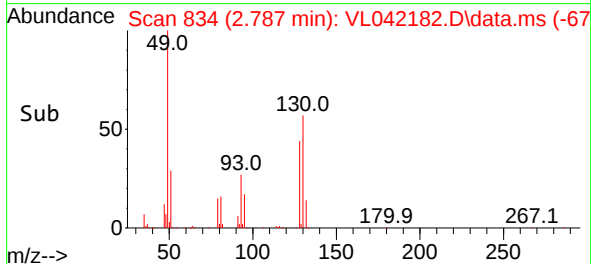
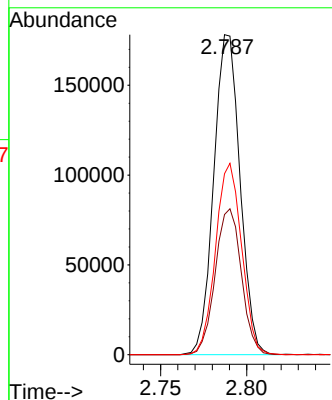
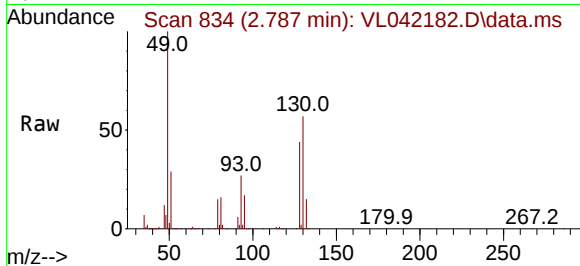




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042182.D
Acq: 27 Mar 2025 16:41

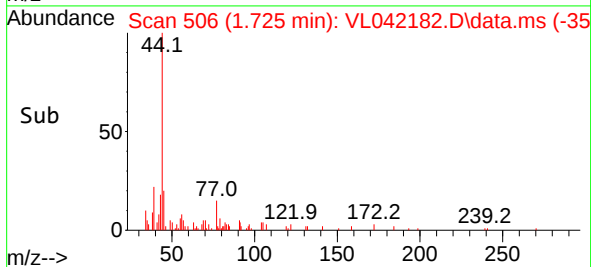
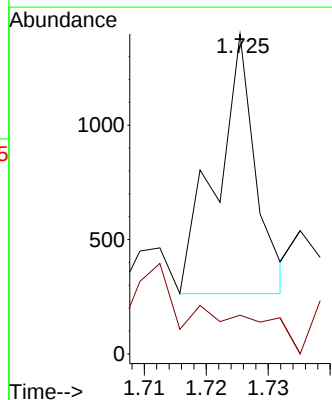
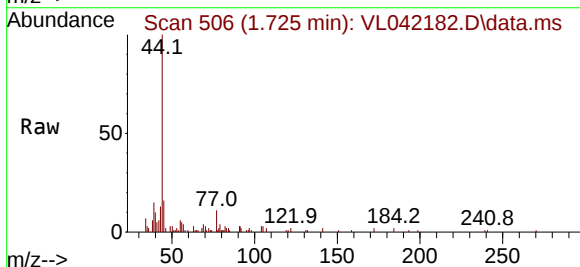
Instrument :
MSVOA_L
ClientSampleId :
QC032625 CAN 10448

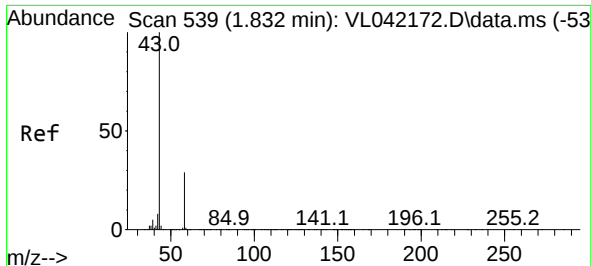
Tgt Ion: 49 Resp: 189309
Ion Ratio Lower Upper
49 100
128 45.5 22.9 68.5
130 59.3 28.8 86.4



#13
Ethanol
Concen: 0.402 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.006 min
Lab File: VL042182.D
Acq: 27 Mar 2025 16:41

Tgt Ion: 45 Resp: 497
Ion Ratio Lower Upper
45 100
46 84.5 20.2 80.8#

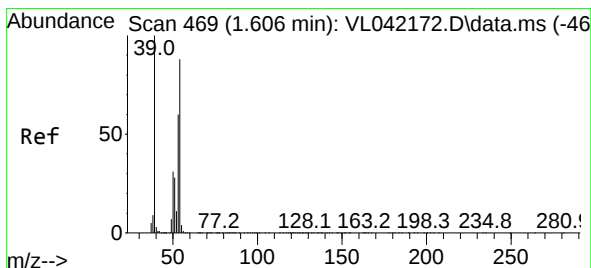
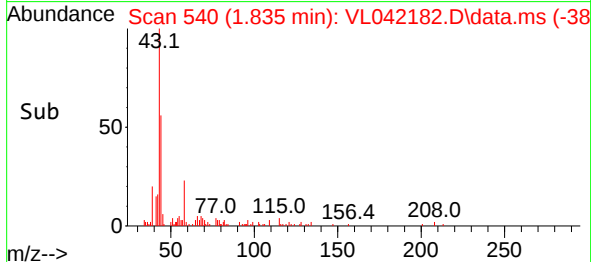
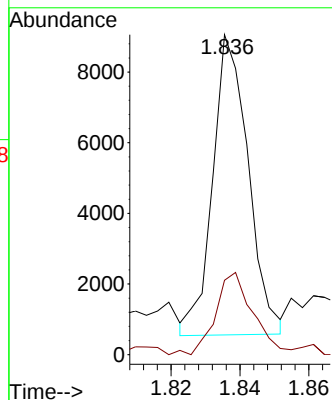
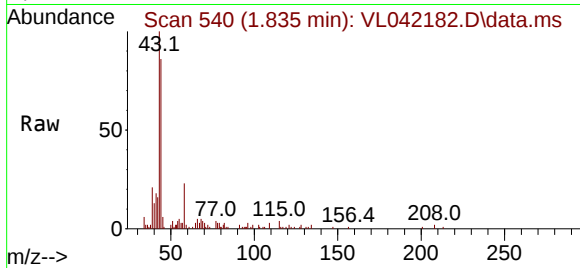




#15
Acetone
Concen: 0.230 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042182.D
Acq: 27 Mar 2025 16:41

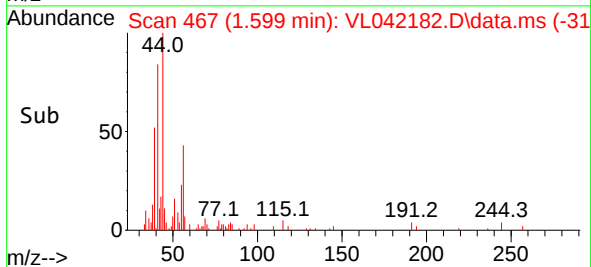
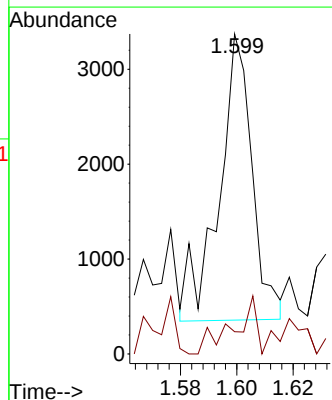
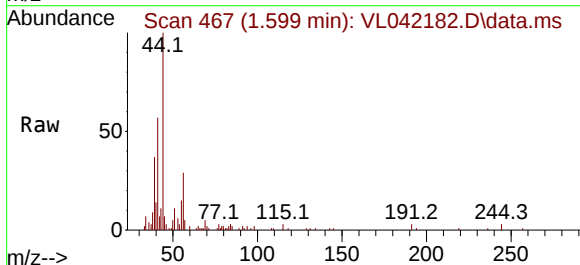
Instrument :
MSVOA_L
ClientSampleId :
QC032625 CAN 10448

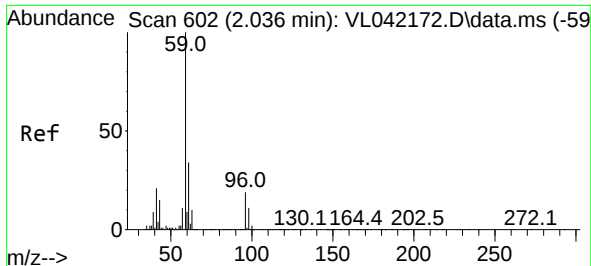
Tgt Ion: 43 Resp: 6083
Ion Ratio Lower Upper
43 100
58 33.2 23.2 34.8



#16
1,3-Butadiene
Concen: 0.191 ppbv
RT: 1.599 min Scan# 467
Delta R.T. -0.007 min
Lab File: VL042182.D
Acq: 27 Mar 2025 16:41

Tgt Ion: 39 Resp: 2472
Ion Ratio Lower Upper
39 100
54 25.2 60.7 91.1#





#17

tert-Butyl alcohol

Concen: 0.051 ppbv

RT: 2.046 min Scan# 602

Delta R.T. 0.010 min

Lab File: VL042182.D

Acq: 27 Mar 2025 16:41

Instrument :

MSVOA_L

ClientSampleId :

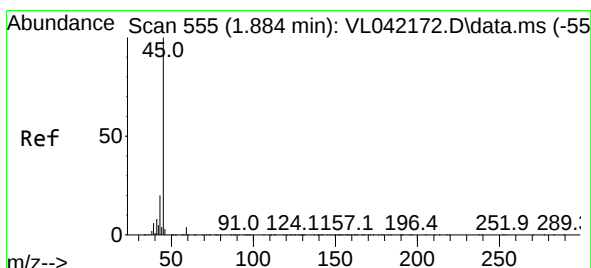
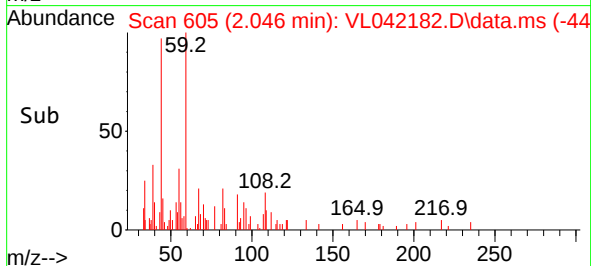
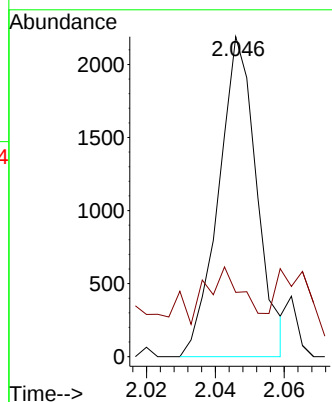
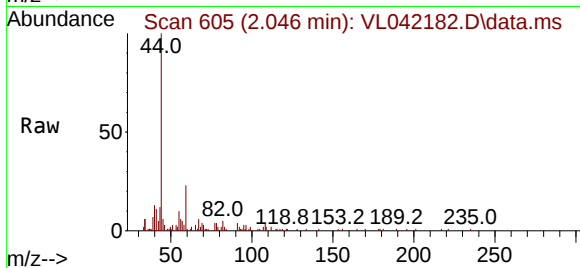
QC032625 CAN 10448

Tgt Ion: 59 Resp: 1687

Ion Ratio Lower Upper

59 100

57 81.6 8.9 13.3#



#19

Isopropyl Alcohol

Concen: 0.046 ppbv

RT: 1.891 min Scan# 557

Delta R.T. 0.006 min

Lab File: VL042182.D

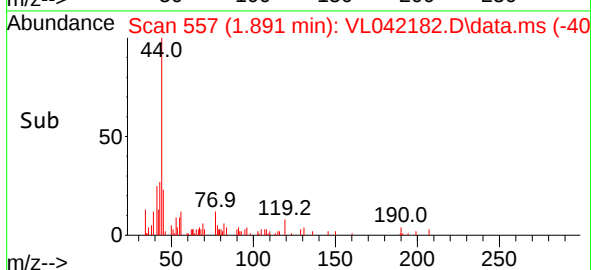
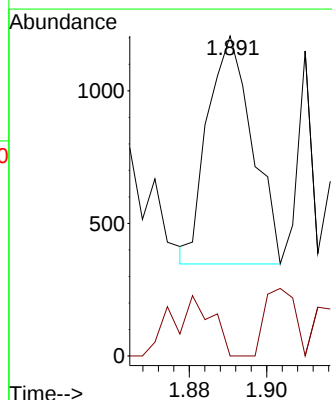
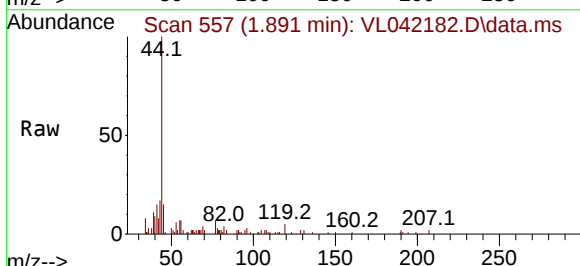
Acq: 27 Mar 2025 16:41

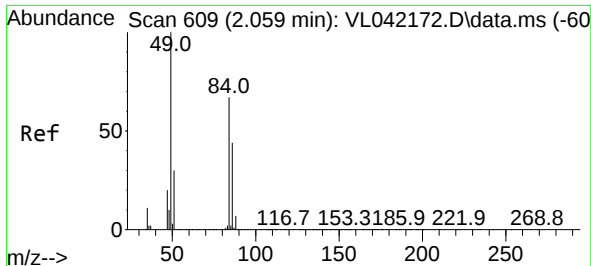
Tgt Ion: 45 Resp: 689

Ion Ratio Lower Upper

45 100

58 0.0 36.9 55.3#

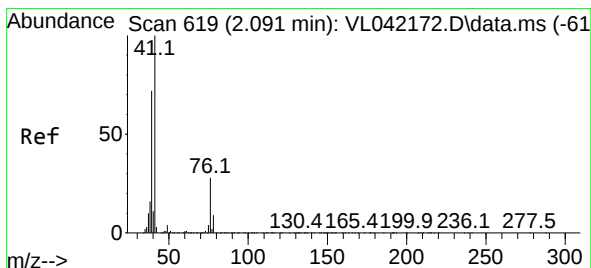
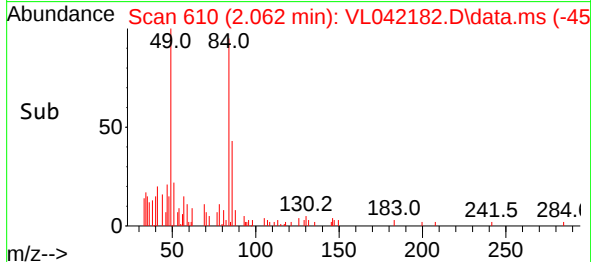
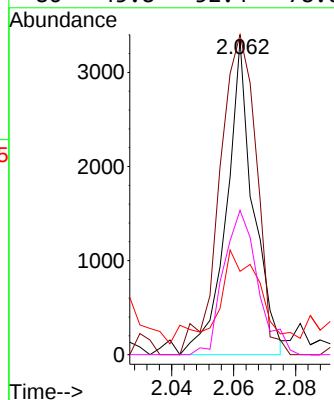
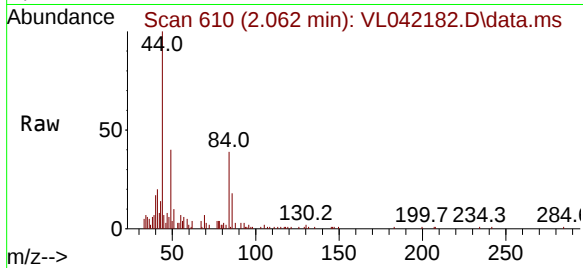




#20
Methylene Chloride
Concen: 0.205 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042182.D
Acq: 27 Mar 2025 16:41

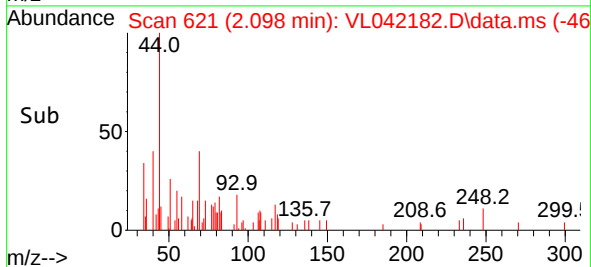
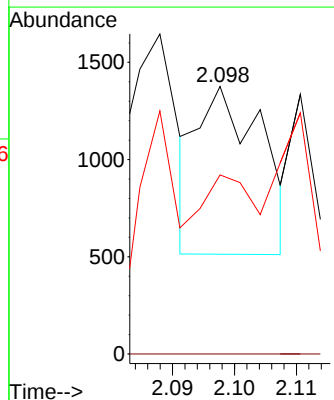
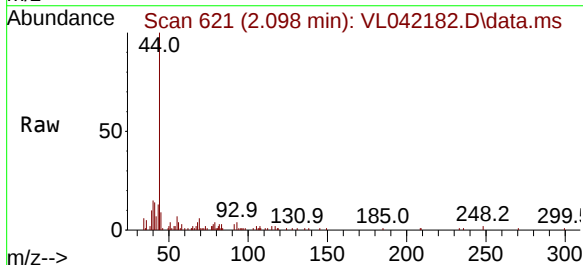
Instrument :
MSVOA_L
ClientSampleId :
QC032625 CAN 10448

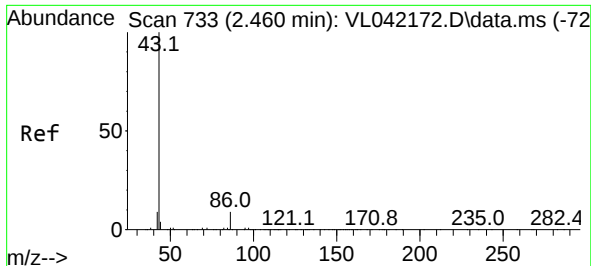
Tgt Ion:	84	Resp:	2022
Ion	Ratio	Lower	Upper
84	100		
49	97.8	120.2	180.4#
51	19.9	37.4	56.0#
86	45.8	52.4	78.6#



#21
Allyl Chloride
Concen: 0.033 ppbv
RT: 2.098 min Scan# 621
Delta R.T. 0.006 min
Lab File: VL042182.D
Acq: 27 Mar 2025 16:41

Tgt Ion:	41	Resp:	617
Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.1	36.1#
39	0.0	61.1	91.7#

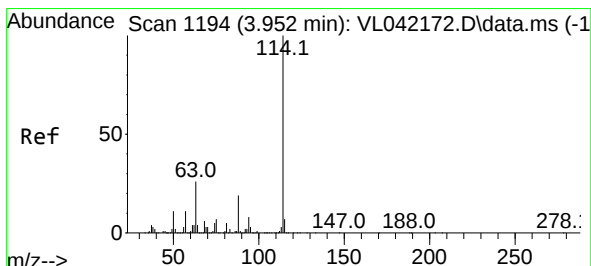
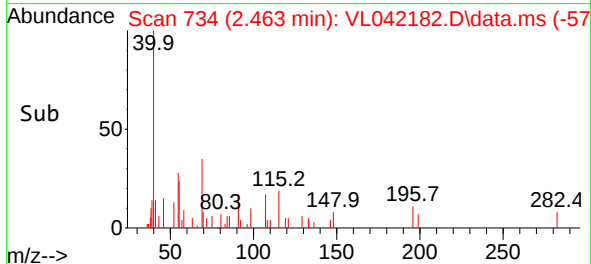
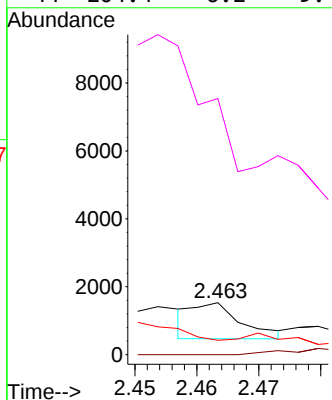
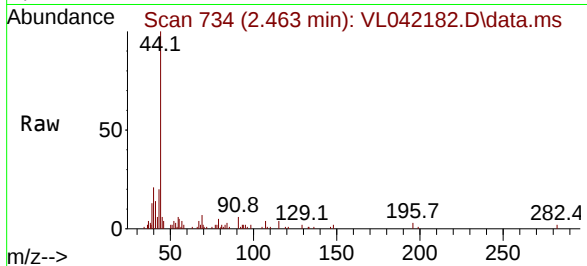




#23
 Vinyl Acetate
 Concen: 0.051 ppbv
 RT: 2.463 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL042182.D
 Acq: 27 Mar 2025 16:41

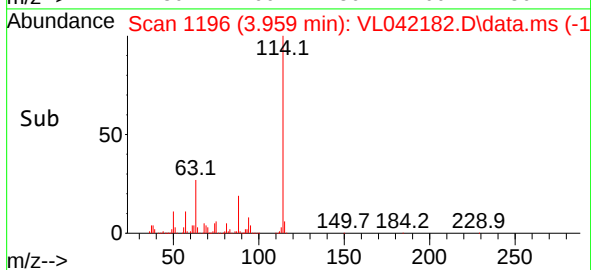
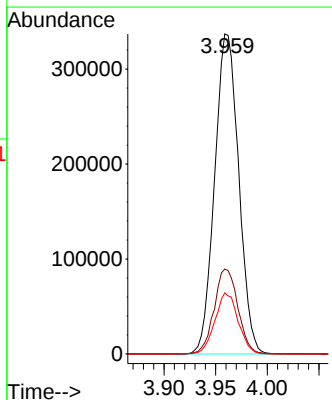
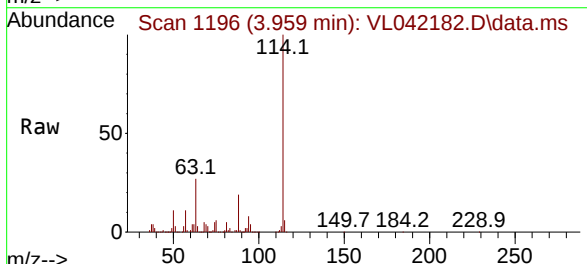
Instrument :
 MSVOA_1
 ClientSampleId :
 QC032625 CAN 10448

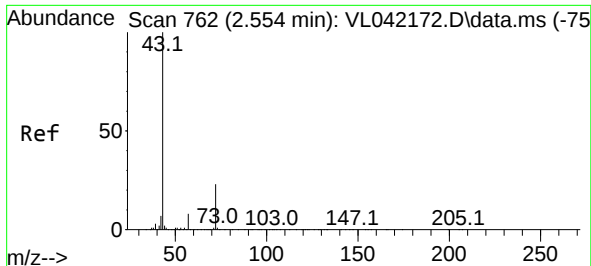
Tgt Ion:	43	Resp:	582
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.5	8.3#
42	0.0	8.6	13.0#
44	204.4	6.2	9.4#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.959 min Scan# 1196
 Delta R.T. 0.006 min
 Lab File: VL042182.D
 Acq: 27 Mar 2025 16:41

Tgt Ion:	114	Resp:	546112
Ion	Ratio	Lower	Upper
114	100		
63	26.2	20.7	31.1
88	18.4	15.0	22.4

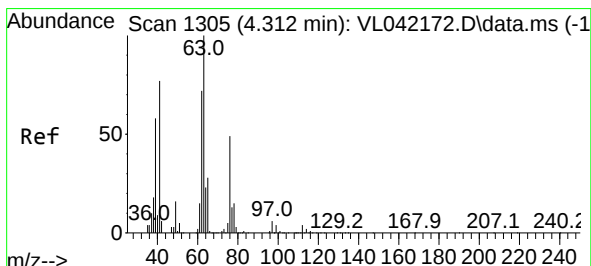
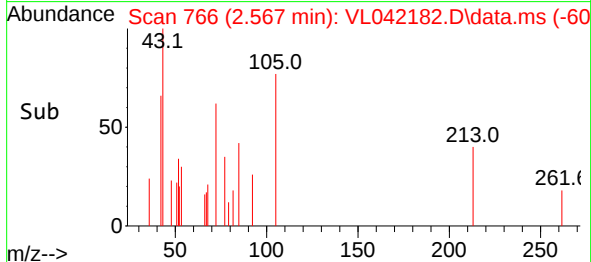
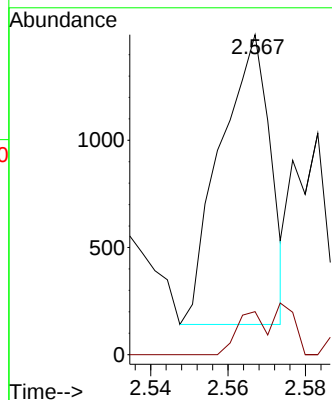
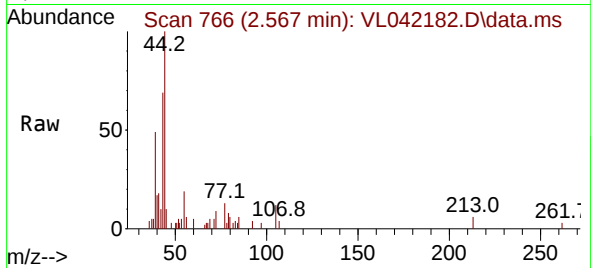




#34
2-Butanone
Concen: 0.031 ppbv
RT: 2.567 min Scan# 71
Delta R.T. 0.013 min
Lab File: VL042182.D
Acq: 27 Mar 2025 16:41

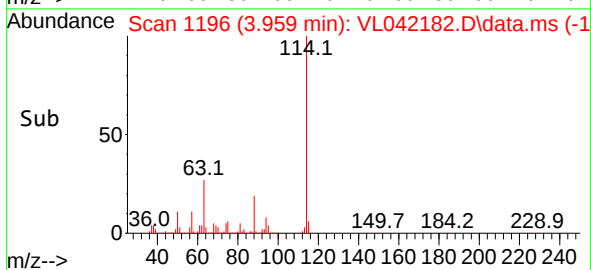
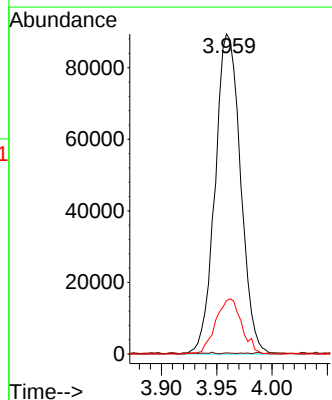
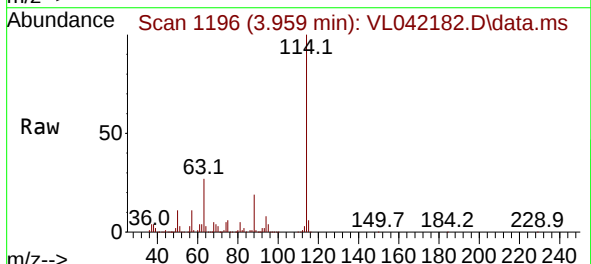
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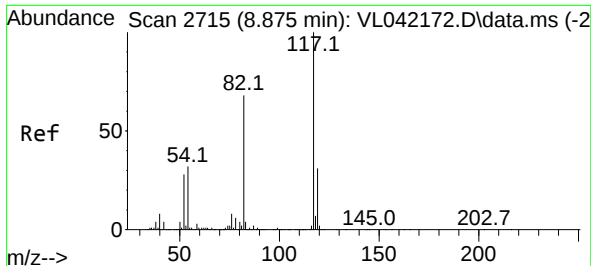
Tgt Ion: 43 Resp: 1216
Ion Ratio Lower Upper
43 100
72 16.8 18.2 27.2#



#39
1,2-Dichloropropane
Concen: 7.247 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.353 min
Lab File: VL042182.D
Acq: 27 Mar 2025 16:41

Tgt Ion: 63 Resp: 142898
Ion Ratio Lower Upper
63 100
41 0.1 61.7 92.5#
62 16.6 57.6 86.4#

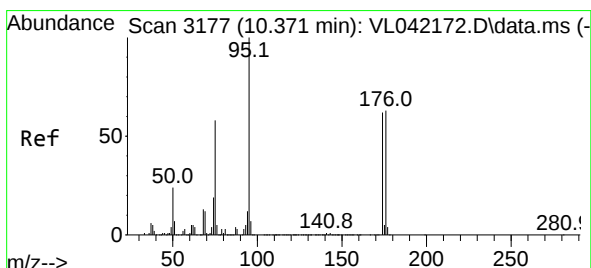
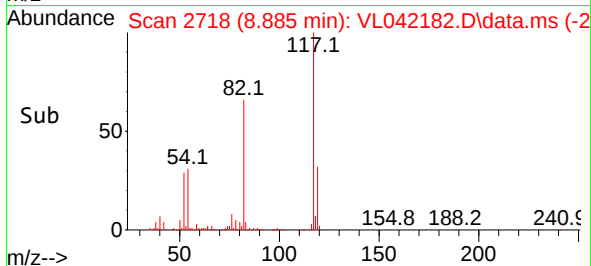
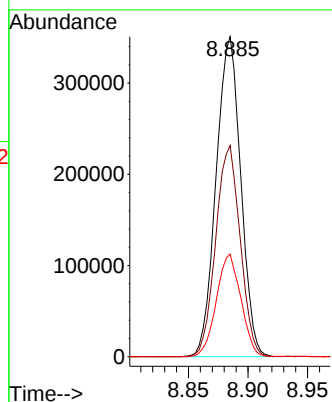
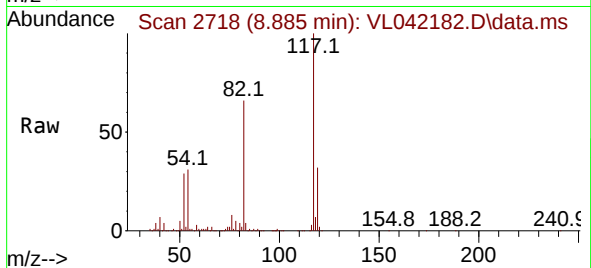




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2178
Delta R.T. 0.010 min
Lab File: VL042182.D
Acq: 27 Mar 2025 16:41

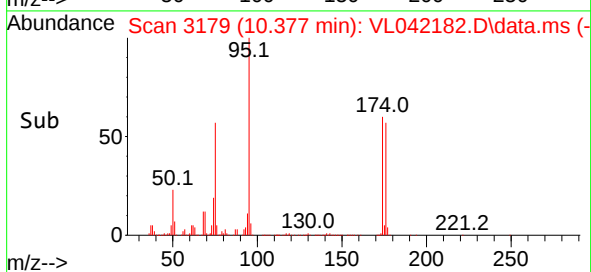
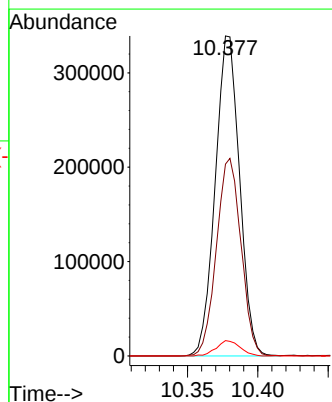
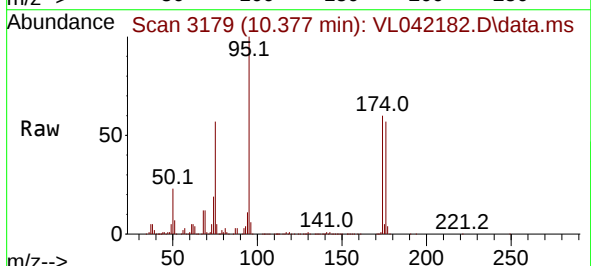
Instrument :
MSVOA_L
ClientSampleId :
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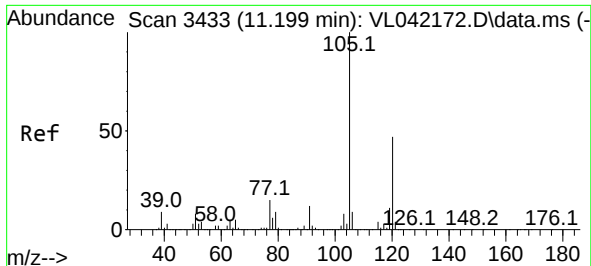
Tgt Ion:117 Resp: 504808
Ion Ratio Lower Upper
117 100
82 65.5 55.8 83.6
119 32.0 25.5 38.3



#68
1-Bromo-4-Fluorobenzene
Concen: 9.829 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.006 min
Lab File: VL042182.D
Acq: 27 Mar 2025 16:41

Tgt Ion: 95 Resp: 407475
Ion Ratio Lower Upper
95 100
174 62.6 50.6 76.0
175 4.7 3.8 5.6

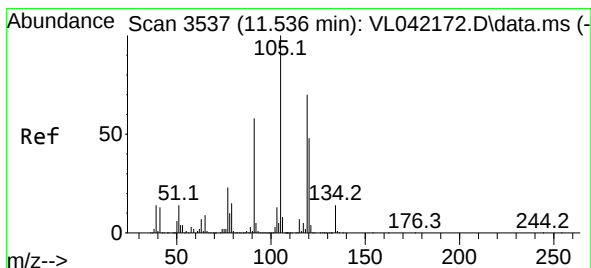
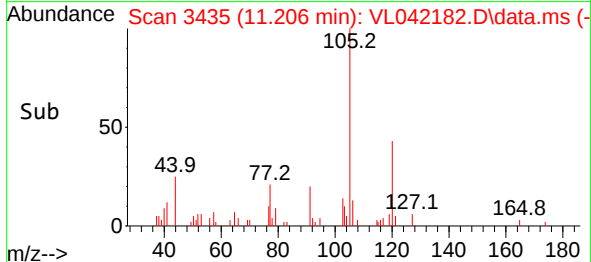
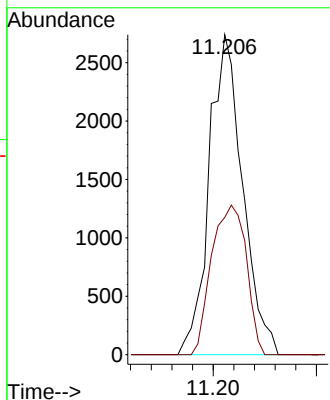
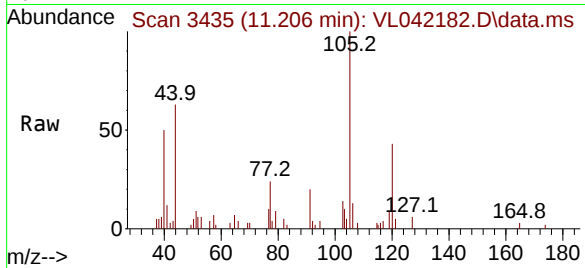




#73
 1,3,5-Trimethylbenzene
 Concen: 0.039 ppbv
 RT: 11.206 min Scan# 3435
 Delta R.T. 0.006 min
 Lab File: VL042182.D
 Acq: 27 Mar 2025 16:41

Instrument :
 MSVOA_L
 ClientSampleId :
 QC032625 CAN 10448

Tgt Ion:105 Resp: 3074
 Ion Ratio Lower Upper
 105 100
 120 42.9 37.4 56.0



#74
 1,2,4-Trimethylbenzene
 Concen: 0.101 ppbv
 RT: 11.539 min Scan# 3538
 Delta R.T. 0.003 min
 Lab File: VL042182.D
 Acq: 27 Mar 2025 16:41

Tgt Ion:105 Resp: 9079
 Ion Ratio Lower Upper
 105 100
 120 36.1 38.6 58.0#
 91 8.5 46.2 69.2#
 77 18.0 18.6 27.8#

