

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
 Data File : VL042332.D
 Acq On : 15 Apr 2025 15:01
 Operator : SY/MD
 Sample : Q1665-10DL2 100X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B10-4-3242025DL2

Quant Time: Apr 16 01:32:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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)

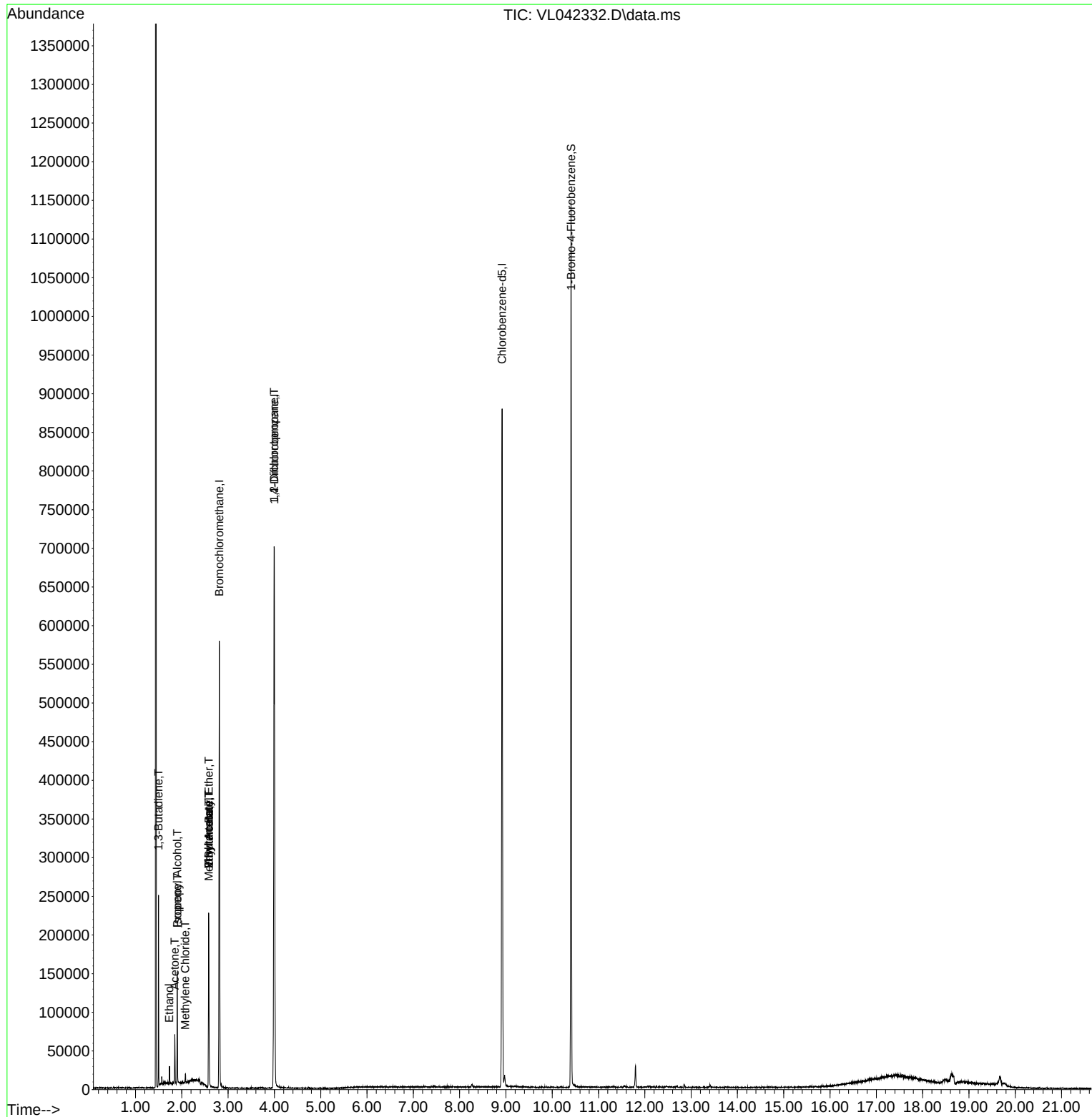
Internal Standards						
1) Bromochloromethane	2.810	49	164444	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	3.998	114	385228	10.000	ppbv	0.05
55) Chlorobenzene-d5	8.917	117	327587	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.406	95	251001	9.330	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.300%
Target Compounds						
					Qvalue	
9) Propene	1.900	41	5702	0.502	ppbv	98
13) Ethanol	1.732	45	8531	7.938	ppbv	83
15) Acetone	1.848	43	26934	1.171	ppbv	95
16) 1,3-Butadiene	1.499	39	26482	2.358	ppbv #	12
19) Isopropyl Alcohol	1.900	45	55262	4.259	ppbv #	34
20) Methylene Chloride	2.075	84	1828	0.213	ppbv #	78
23) Vinyl Acetate	2.580	43	135118	13.574	ppbv #	87
25) Ethyl Acetate	2.580	43	135118	2.264	ppbv #	76
28) Methyl tert-Butyl Ether	2.583	73	1168	0.081	ppbv #	1
34) 2-Butanone	2.580	43	135118	4.837	ppbv	97
39) 1,2-Dichloropropane	3.994	63	99113	7.126	ppbv #	23

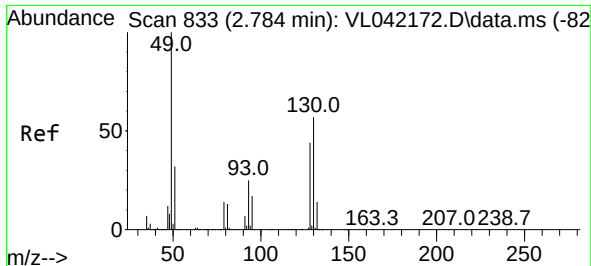
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042332.D
Acq On : 15 Apr 2025 15:01
Operator : SY/MD
Sample : Q1665-10DL2 100X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B10-4-3242025DL2

Quant Time: Apr 16 01:32:29 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

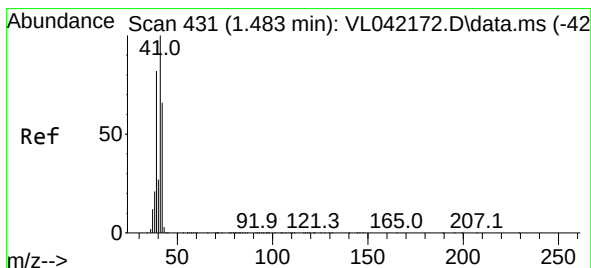
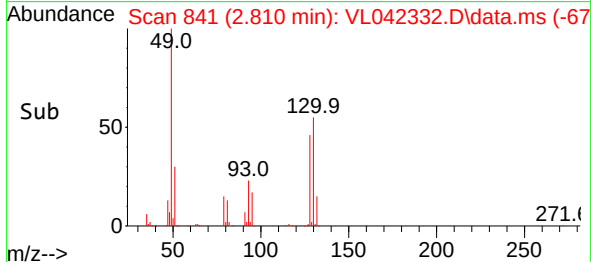
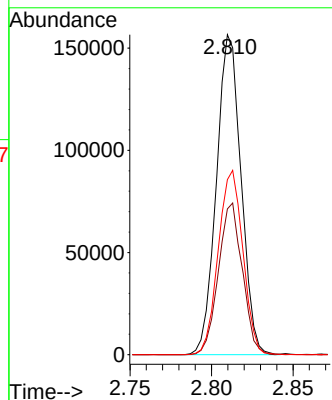
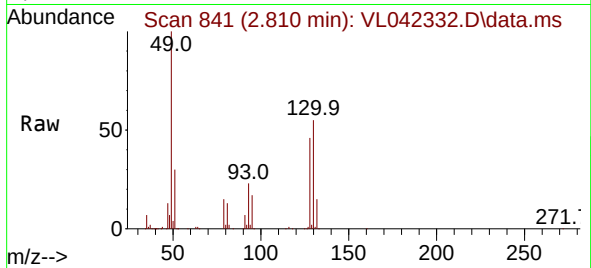




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.810 min Scan# 841
 Delta R.T. 0.026 min
 Lab File: VL042332.D
 Acq: 15 Apr 2025 15:01

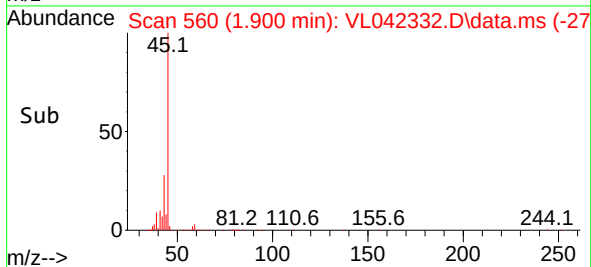
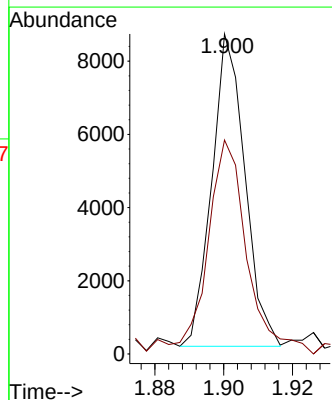
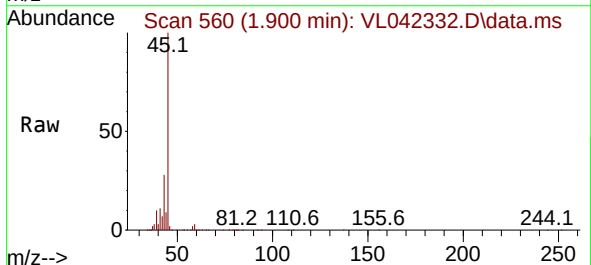
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B10-4-3242025DL2

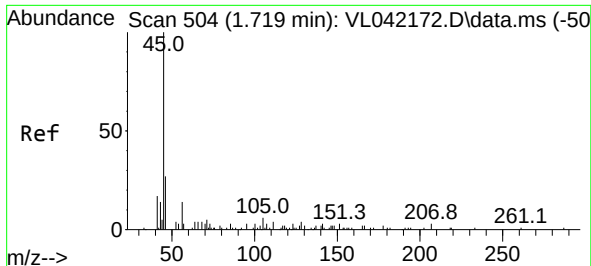
Tgt Ion: 49 Resp: 164444
 Ion Ratio Lower Upper
 49 100
 128 46.1 22.9 68.5
 130 57.7 28.8 86.4



#9
 Propene
 Concen: 0.502 ppbv
 RT: 1.900 min Scan# 560
 Delta R.T. 0.417 min
 Lab File: VL042332.D
 Acq: 15 Apr 2025 15:01

Tgt Ion: 41 Resp: 5702
 Ion Ratio Lower Upper
 41 100
 42 70.7 55.4 83.2

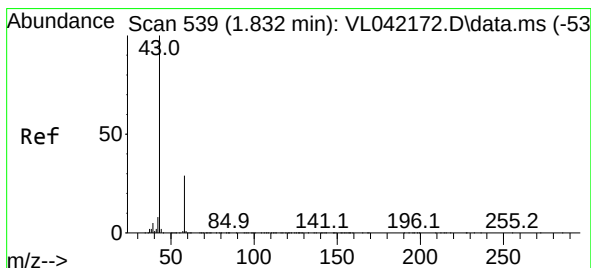
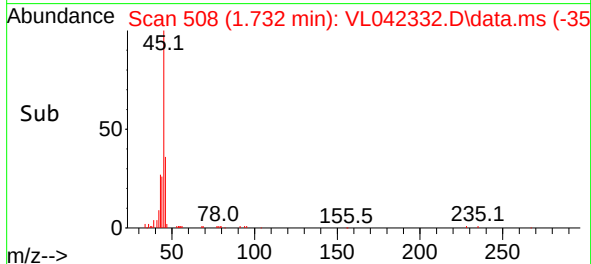
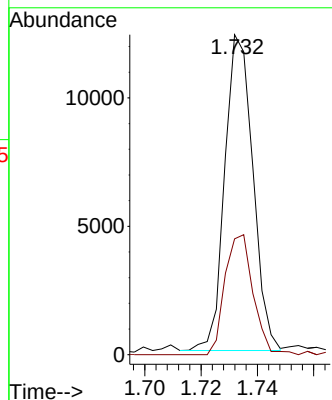
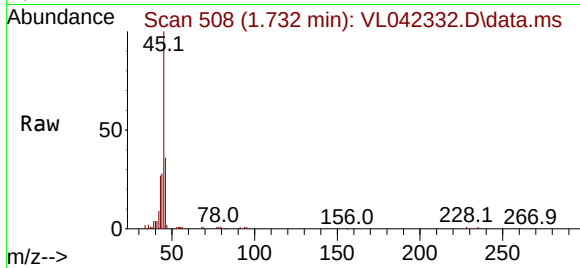




#13
Ethanol
Concen: 7.938 ppbv
RT: 1.732 min Scan# 508
Delta R.T. 0.013 min
Lab File: VL042332.D
Acq: 15 Apr 2025 15:01

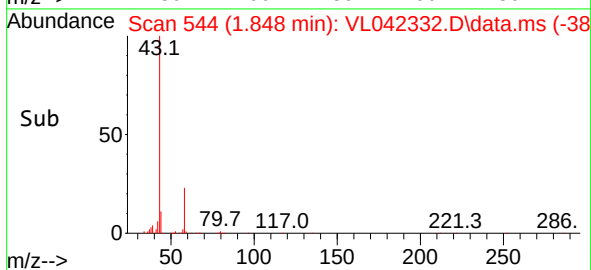
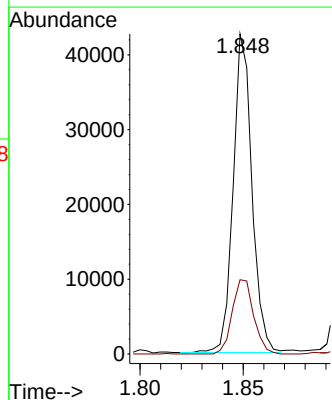
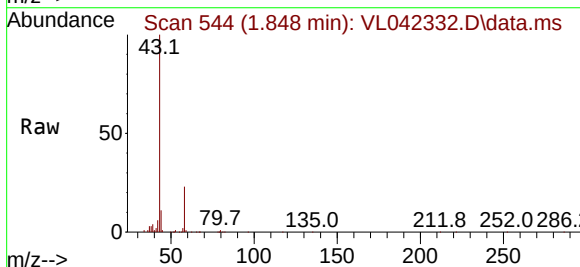
Instrument :
MSVOA_L
ClientSampleId :
IA-B10-4-3242025DL2

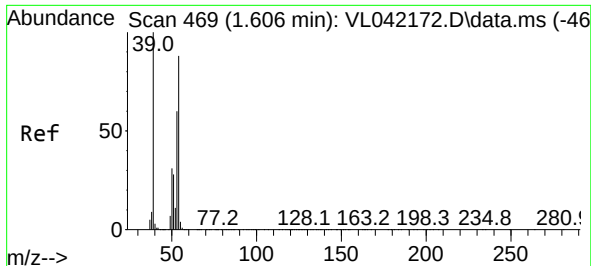
Tgt Ion: 45 Resp: 8531
Ion Ratio Lower Upper
45 100
46 39.0 20.2 80.8



#15
Acetone
Concen: 1.171 ppbv
RT: 1.848 min Scan# 544
Delta R.T. 0.016 min
Lab File: VL042332.D
Acq: 15 Apr 2025 15:01

Tgt Ion: 43 Resp: 26934
Ion Ratio Lower Upper
43 100
58 26.6 23.2 34.8





#16

1,3-Butadiene

Concen: 2.358 ppbv

RT: 1.499 min Scan# 41

Delta R.T. -0.107 min

Lab File: VL042332.D

Acq: 15 Apr 2025 15:01

Instrument :

MSVOA_L

ClientSampleId :

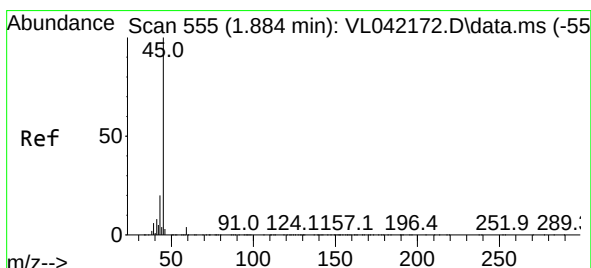
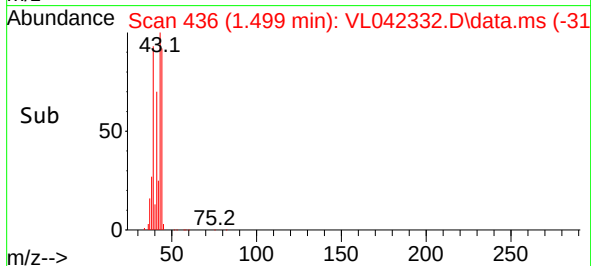
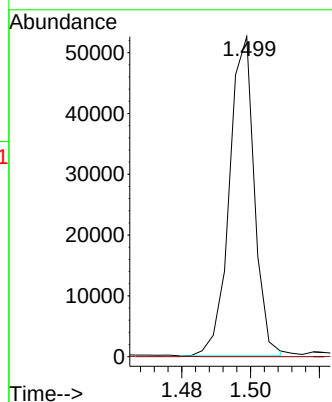
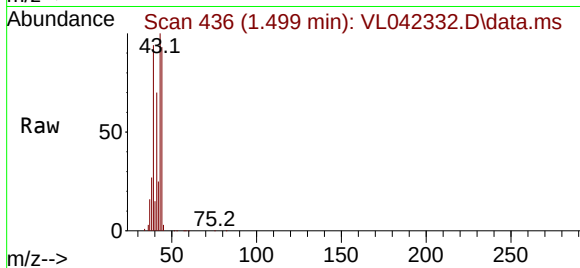
IA-B10-4-3242025DL2

Tgt Ion: 39 Resp: 26482

Ion Ratio Lower Upper

39 100

54 0.1 60.7 91.1#



#19

Isopropyl Alcohol

Concen: 4.259 ppbv

RT: 1.900 min Scan# 560

Delta R.T. 0.016 min

Lab File: VL042332.D

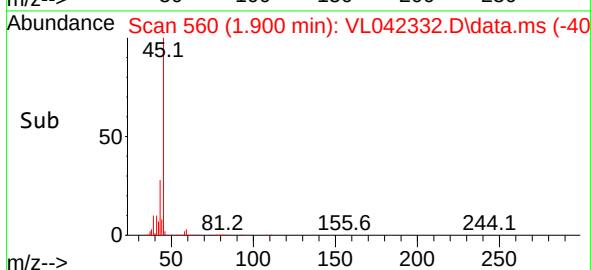
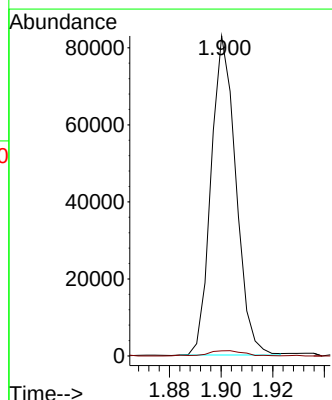
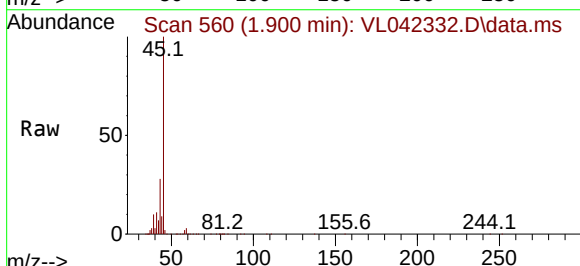
Acq: 15 Apr 2025 15:01

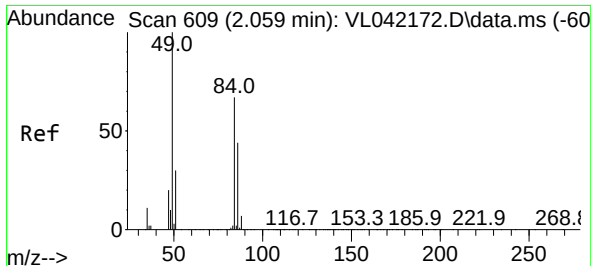
Tgt Ion: 45 Resp: 55262

Ion Ratio Lower Upper

45 100

58 2.5 36.9 55.3#

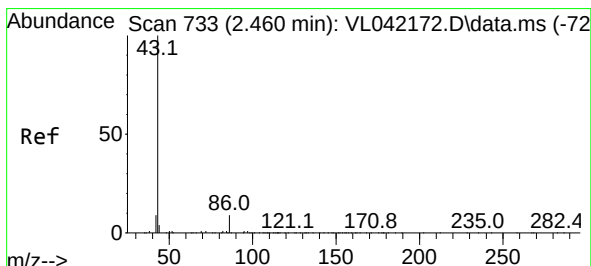
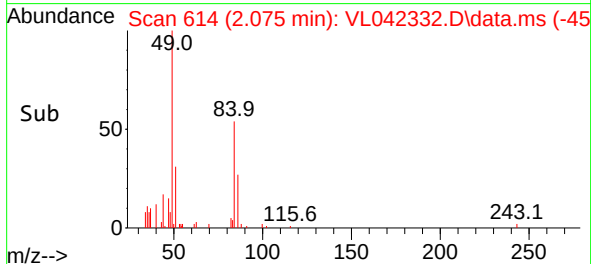
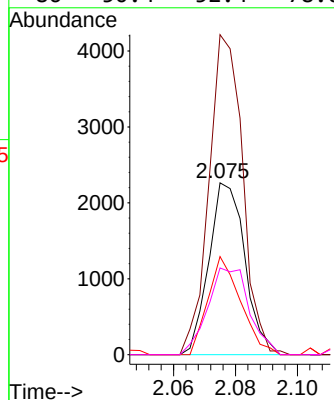
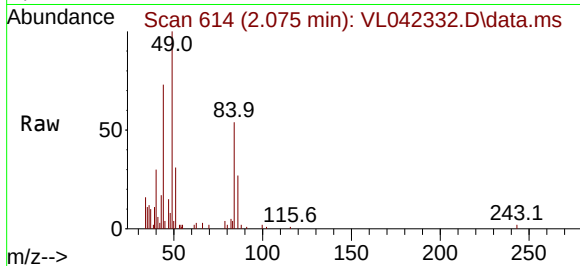




#20
Methylene Chloride
Concen: 0.213 ppbv
RT: 2.075 min Scan# 614
Delta R.T. 0.016 min
Lab File: VL042332.D
Acq: 15 Apr 2025 15:01

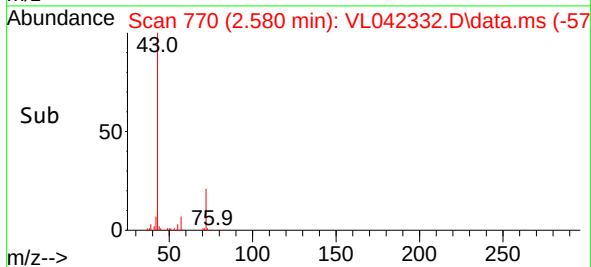
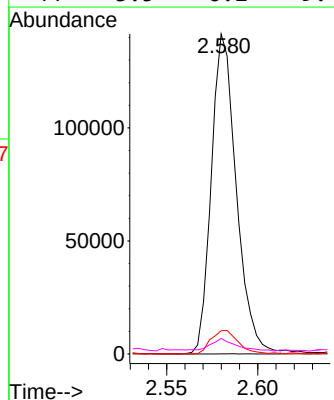
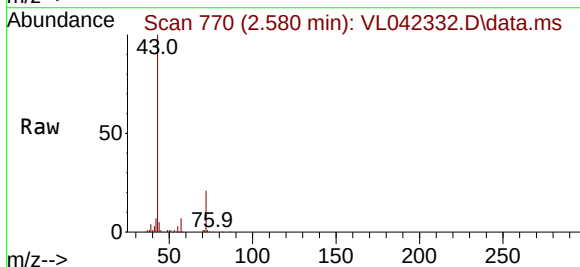
Instrument :
MSVOA_L
ClientSampleId :
IA-B10-4-3242025DL2

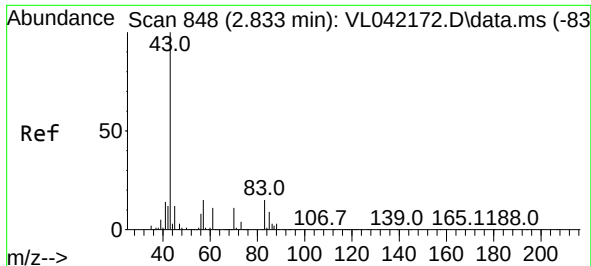
Tgt Ion: 84	Resp: 1828
Ion Ratio	Lower Upper
84 100	
49 182.7	120.2 180.4#
51 57.1	37.4 56.0#
86 50.4	52.4 78.6#



#23
Vinyl Acetate
Concen: 13.574 ppbv
RT: 2.580 min Scan# 770
Delta R.T. 0.120 min
Lab File: VL042332.D
Acq: 15 Apr 2025 15:01

Tgt	Ion: 43	Resp:	135118
Ion	Ratio	Lower	Upper
43	100		
86	0.1	5.5	8.3#
42	7.2	8.6	13.0#
44	3.5	6.2	9.4#

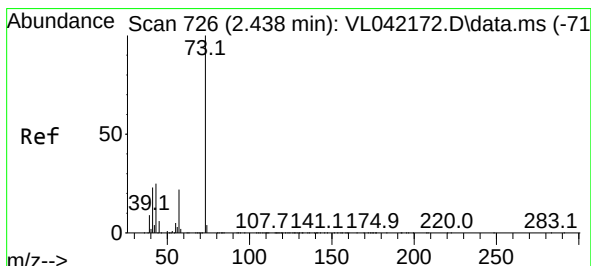
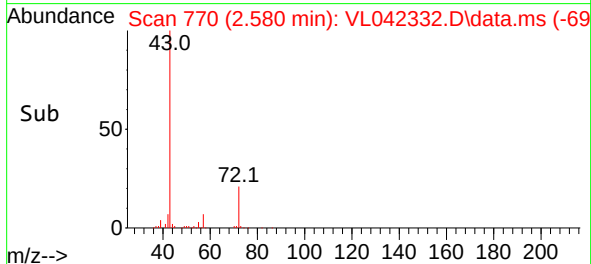
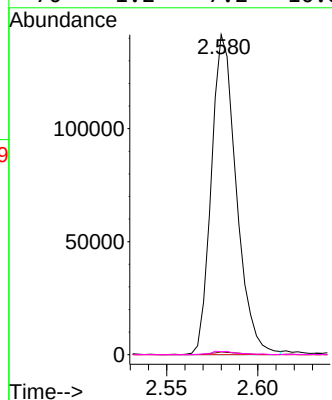
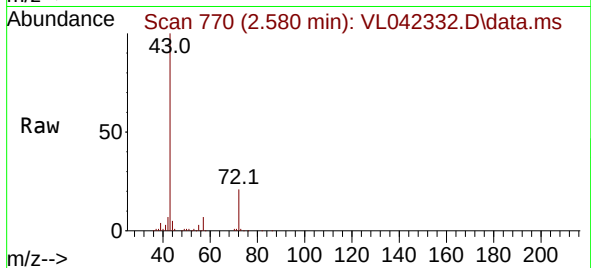




#25
Ethyl Acetate
Concen: 2.264 ppbv
RT: 2.580 min Scan# 711
Delta R.T. -0.253 min
Lab File: VL042332.D
Acq: 15 Apr 2025 15:01

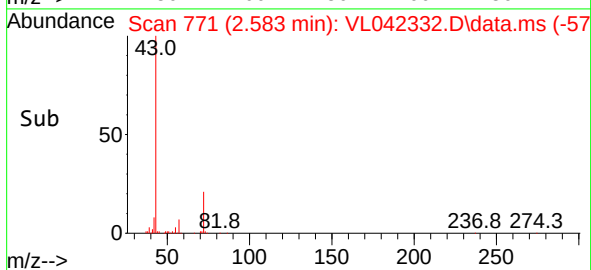
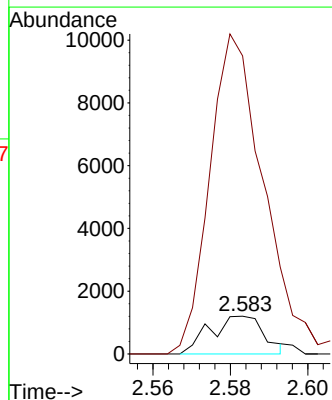
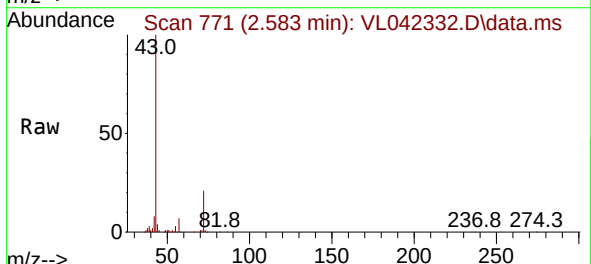
Instrument :
MSVOA_L
ClientSampleId :
IA-B10-4-3242025DL2

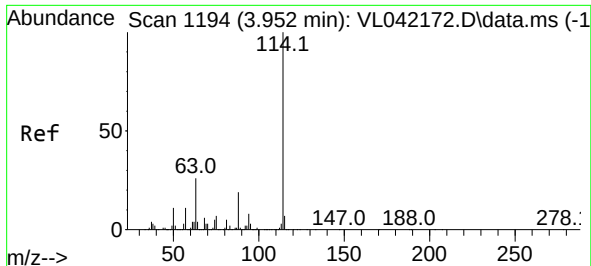
Tgt Ion:	43	Resp:	135118
Ion	Ratio	Lower	Upper
43	100		
45	1.1	8.2	12.2#
61	0.0	7.3	10.9#
70	1.2	7.2	10.8#



#28
Methyl tert-Butyl Ether
Concen: 0.081 ppbv
RT: 2.583 min Scan# 771
Delta R.T. 0.146 min
Lab File: VL042332.D
Acq: 15 Apr 2025 15:01

Tgt Ion:	73	Resp:	1168
Ion	Ratio	Lower	Upper
73	100		
57	849.7	20.5	30.7#

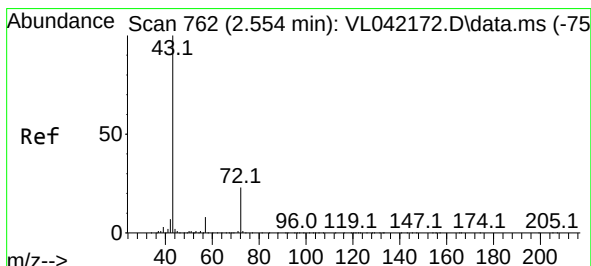
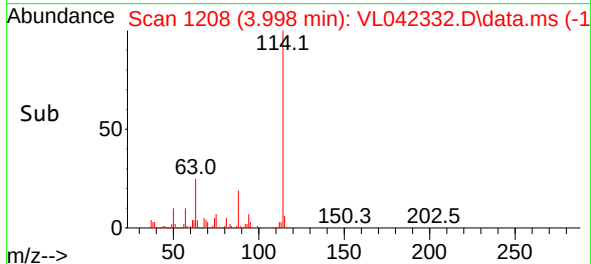
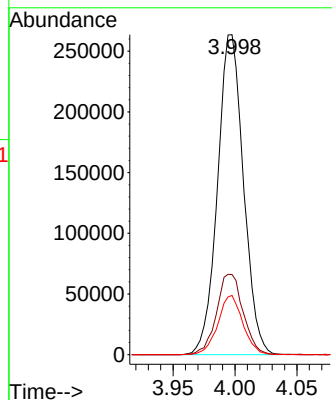
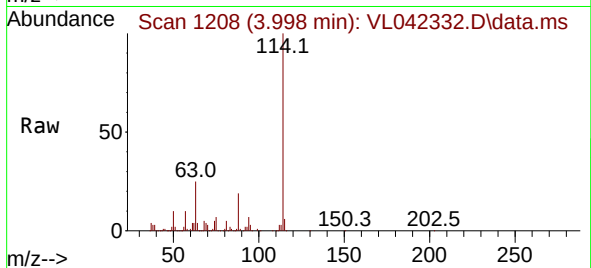




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.998 min Scan# 1194
 Delta R.T. 0.045 min
 Lab File: VL042332.D
 Acq: 15 Apr 2025 15:01

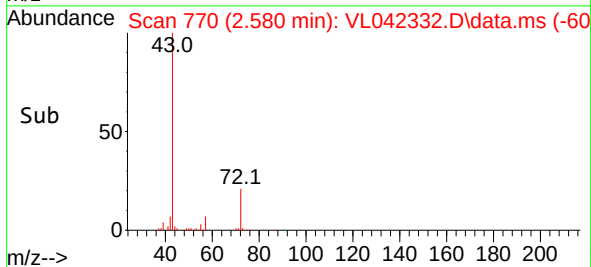
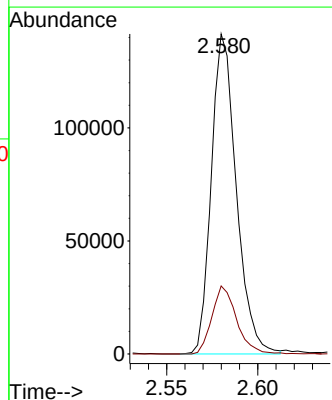
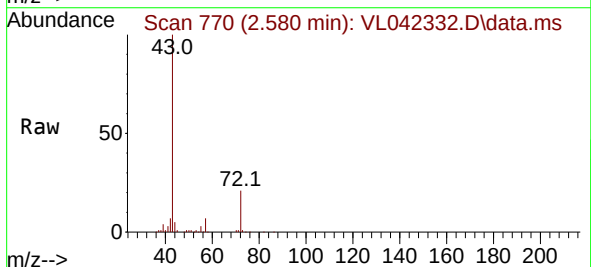
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B10-4-3242025DL2

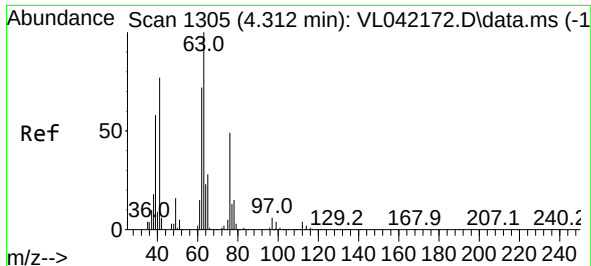
Tgt Ion:114 Resp: 385228
 Ion Ratio Lower Upper
 114 100
 63 25.9 20.7 31.1
 88 17.9 15.0 22.4



#34
 2-Butanone
 Concen: 4.837 ppbv
 RT: 2.580 min Scan# 770
 Delta R.T. 0.026 min
 Lab File: VL042332.D
 Acq: 15 Apr 2025 15:01

Tgt Ion: 43 Resp: 135118
 Ion Ratio Lower Upper
 43 100
 72 21.0 18.2 27.2





#39

1,2-Dichloropropane

Concen: 7.126 ppbv

RT: 3.994 min Scan# 11

Delta R.T. -0.317 min

Lab File: VL042332.D

Acq: 15 Apr 2025 15:01

Instrument :

MSVOA_L

ClientSampleId :

IA-B10-4-3242025DL2

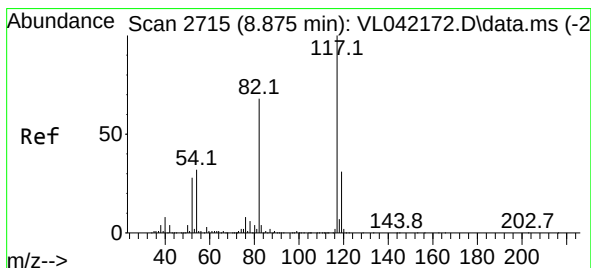
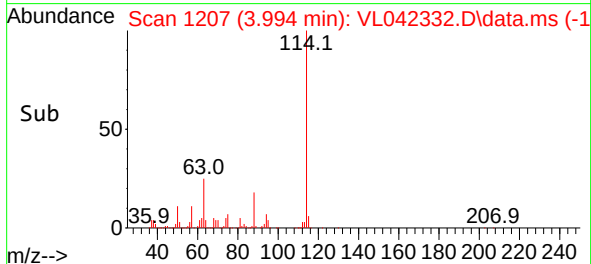
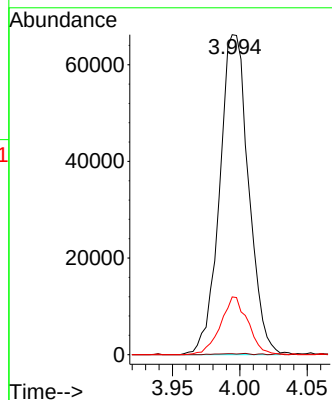
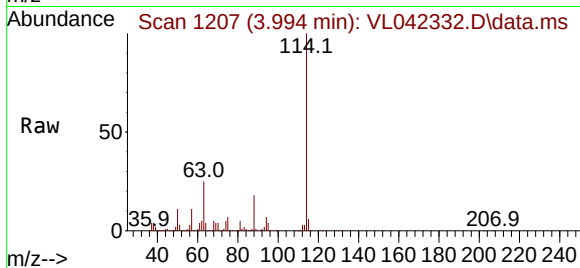
Tgt Ion: 63 Resp: 99113

Ion Ratio Lower Upper

63 100

41 0.6 61.7 92.5#

62 18.1 57.6 86.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.917 min Scan# 2728

Delta R.T. 0.042 min

Lab File: VL042332.D

Acq: 15 Apr 2025 15:01

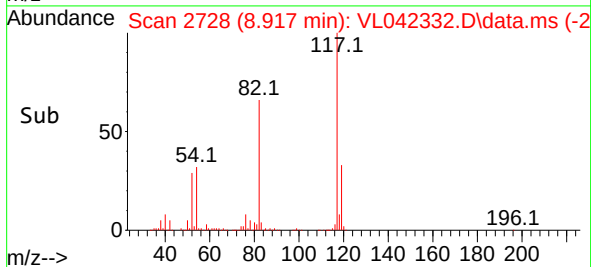
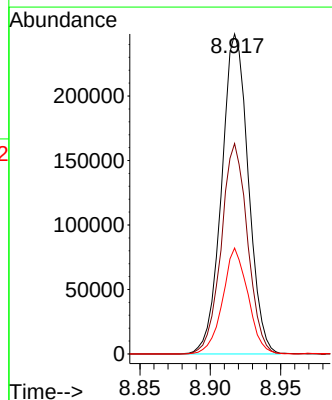
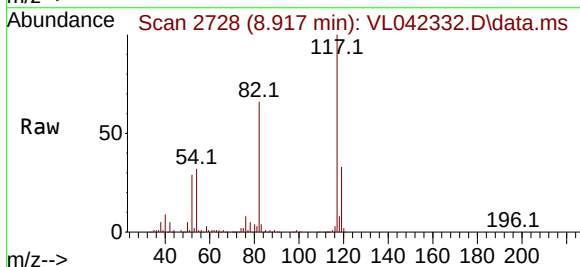
Tgt Ion: 117 Resp: 327587

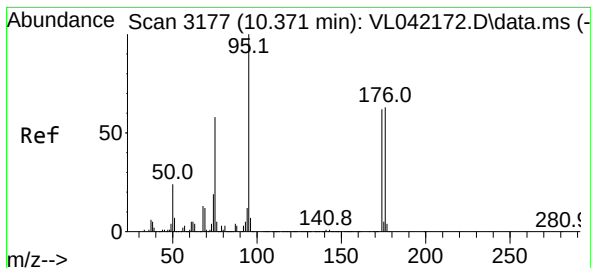
Ion Ratio Lower Upper

117 100

82 64.9 55.8 83.6

119 31.5 25.5 38.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.330 ppbv
 RT: 10.406 min Scan# 3177
 Delta R.T. 0.035 min
 Lab File: VL042332.D
 Acq: 15 Apr 2025 15:01

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B10-4-3242025DL2

Tgt Ion: 95 Resp: 251001
 Ion Ratio Lower Upper
 95 100
 174 64.9 50.6 76.0
 175 4.6 3.8 5.6

