

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051425\
 Data File : VL042537.D
 Acq On : 14 May 2025 11:09
 Operator : SY/MD
 Sample : VL0514ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABL01

Quant Time: May 15 01:32:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue May 13 02:07:03 2025
 Response via : Initial Calibration

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

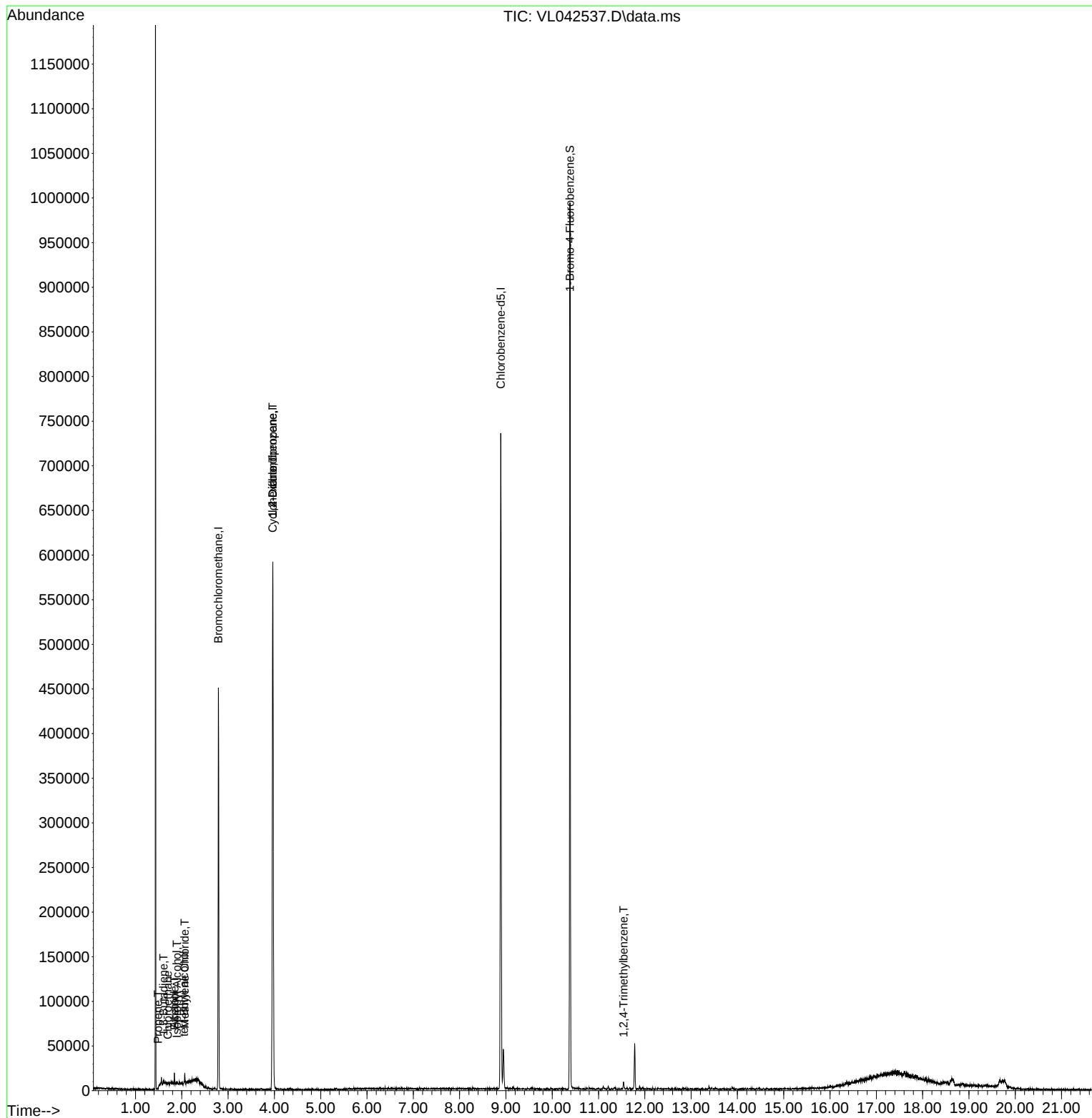
Internal Standards						
1) Bromochloromethane	2.790	49	116915	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.965	114	336117	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.888	117	289273	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	238085	9.459	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.600%
Target Compounds						
					Qvalue	
7) Chloroethane	1.699	64	100	0.032	ppbv #	43
9) Propene	1.486	41	172	0.041	ppbv #	85
13) Ethanol	1.842	45	164	0.145	ppbv #	38
15) Acetone	1.839	43	5548	0.294	ppbv	93
16) 1,3-Butadiene	1.606	39	740	0.088	ppbv #	21
17) tert-Butyl alcohol	2.049	59	541	0.031	ppbv #	92
19) Isopropyl Alcohol	1.894	45	561	0.055	ppbv #	95
20) Methylene Chloride	2.065	84	1142	0.176	ppbv #	38
30) Cyclohexane	3.962	84	2057	0.186	ppbv #	1
39) 1,2-Dichloropropane	3.965	63	84538	7.619	ppbv #	16
74) 1,2,4-Trimethylbenzene	11.542	105	3123	0.069	ppbv #	60

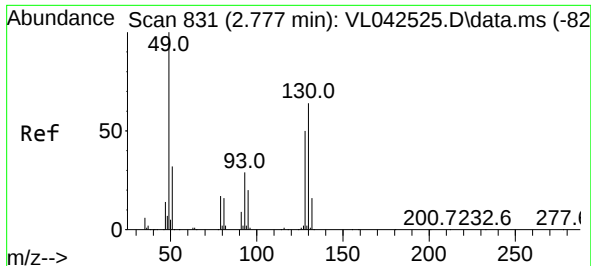
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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VL0514ABL01

Quant Time: May 15 01:32:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue May 13 02:07:03 2025
Response via : Initial Calibration

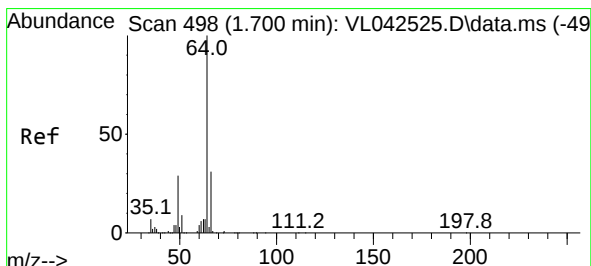
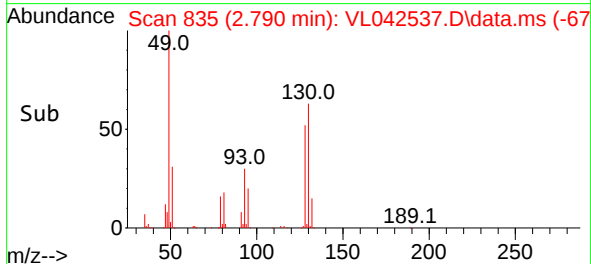
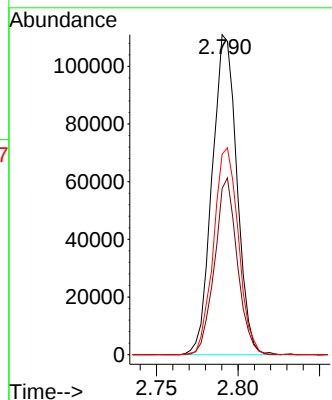
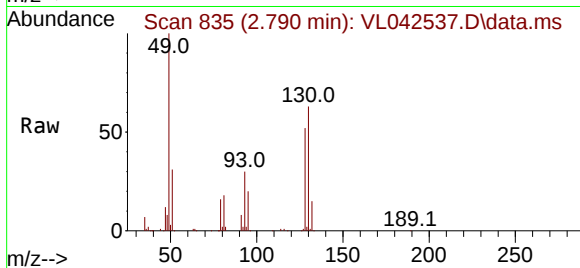




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL042537.D
Acq: 14 May 2025 11:09

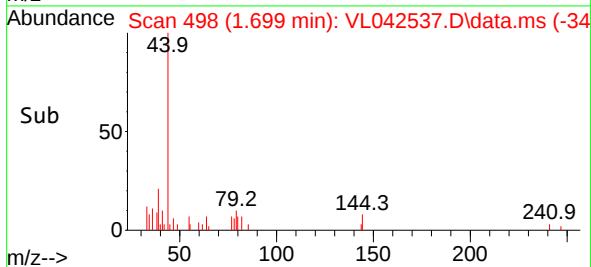
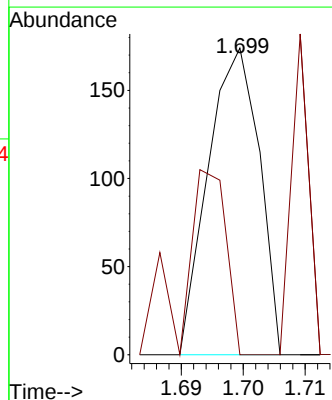
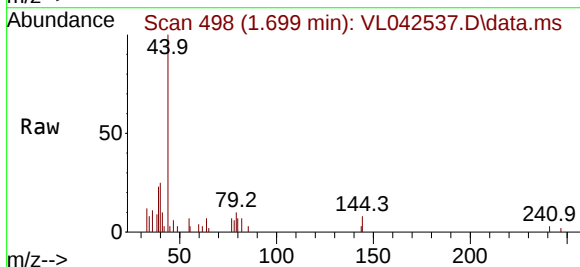
Instrument :
MSVOA_L
ClientSampleId :
VL0514ABL01

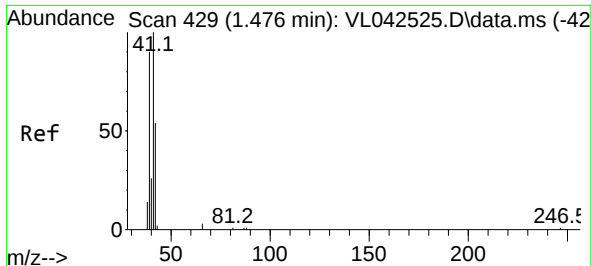
Tgt Ion: 49 Resp: 116915
Ion Ratio Lower Upper
49 100
128 50.8 24.9 74.6
130 65.0 32.5 97.5



#7
Chloroethane
Concen: 0.032 ppbv
RT: 1.699 min Scan# 498
Delta R.T. -0.000 min
Lab File: VL042537.D
Acq: 14 May 2025 11:09

Tgt Ion: 64 Resp: 100
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#9

Propene

Concen: 0.041 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL042537.D

Acq: 14 May 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

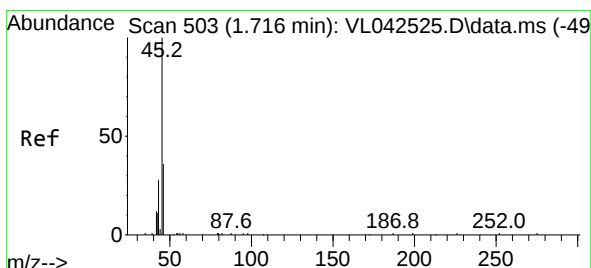
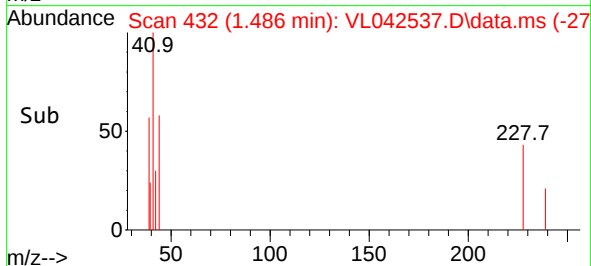
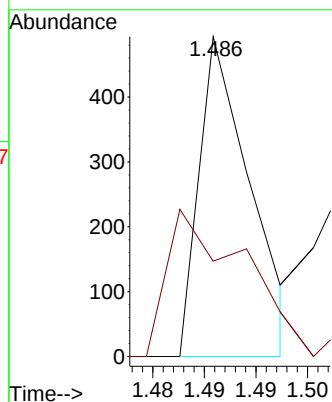
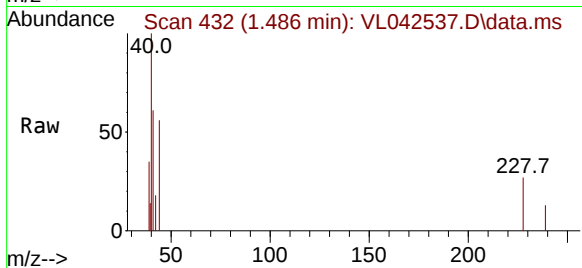
VL0514ABL01

Tgt Ion: 41 Resp: 172

Ion Ratio Lower Upper

41 100

42 0.0 4.1 6.1#



#13

Ethanol

Concen: 0.145 ppbv

RT: 1.842 min Scan# 542

Delta R.T. 0.126 min

Lab File: VL042537.D

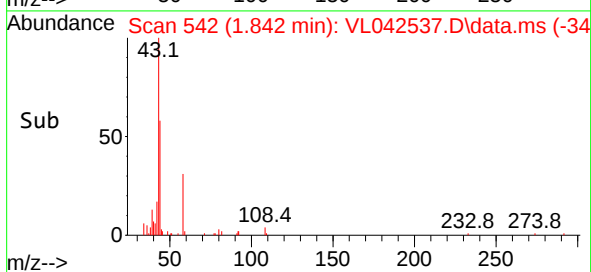
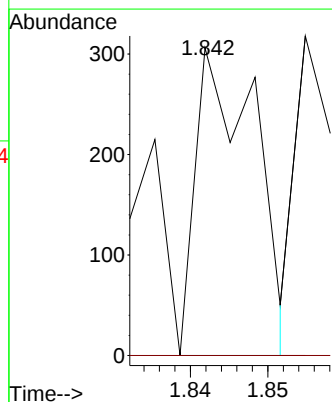
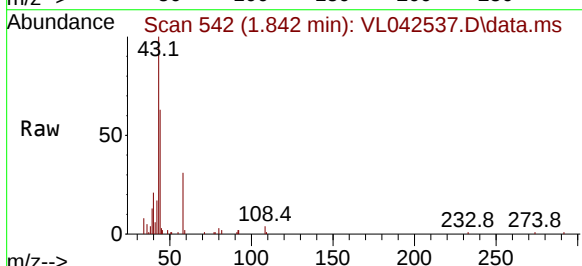
Acq: 14 May 2025 11:09

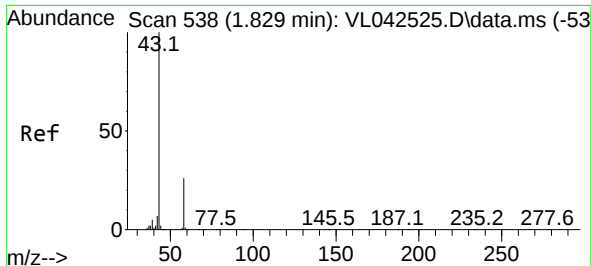
Tgt Ion: 45 Resp: 164

Ion Ratio Lower Upper

45 100

46 0.0 14.8 59.4#

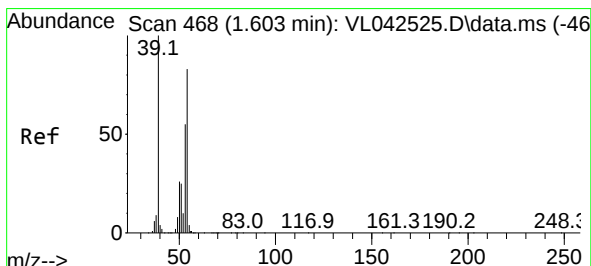
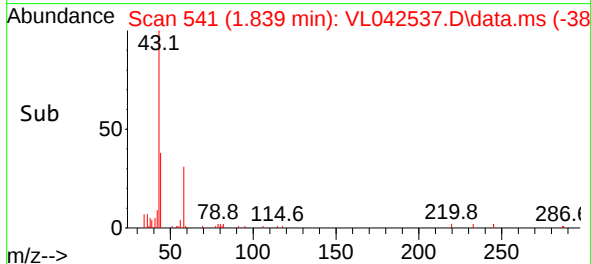
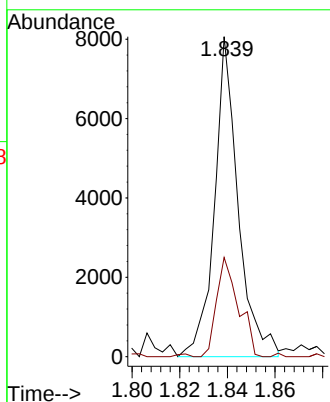
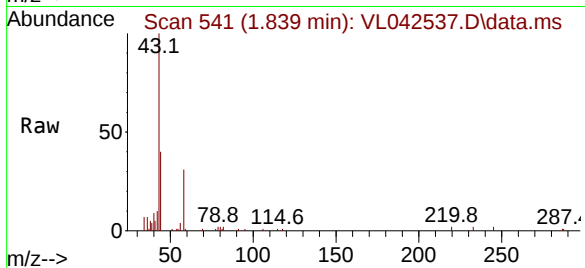




#15
Acetone
Concen: 0.294 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.010 min
Lab File: VL042537.D
Acq: 14 May 2025 11:09

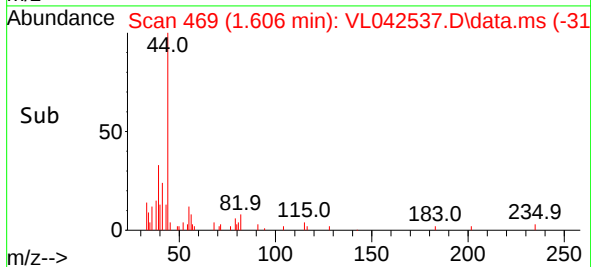
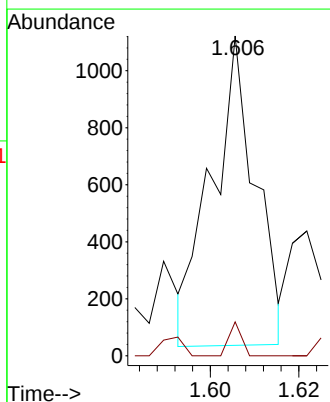
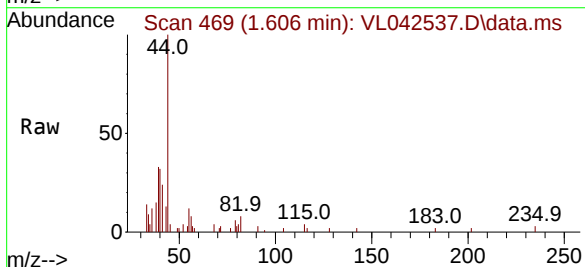
Instrument :
MSVOA_L
ClientSampleId :
VL0514ABL01

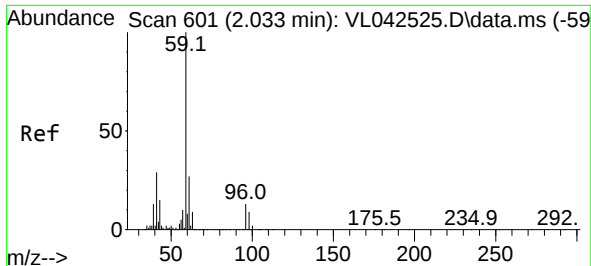
Tgt Ion: 43 Resp: 5548
Ion Ratio Lower Upper
43 100
58 30.2 21.3 31.9



#16
1,3-Butadiene
Concen: 0.088 ppbv
RT: 1.606 min Scan# 469
Delta R.T. 0.003 min
Lab File: VL042537.D
Acq: 14 May 2025 11:09

Tgt Ion: 39 Resp: 740
Ion Ratio Lower Upper
39 100
54 6.4 57.8 86.6#





#17

tert-Butyl alcohol

Concen: 0.031 ppbv

RT: 2.049 min Scan# 601

Delta R.T. 0.016 min

Lab File: VL042537.D

Acq: 14 May 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

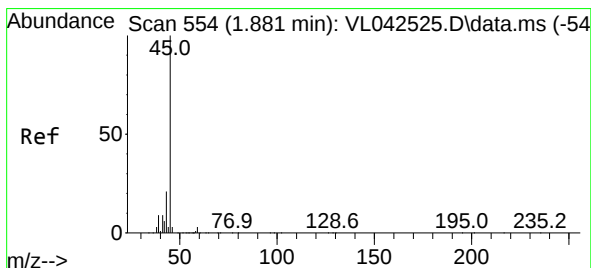
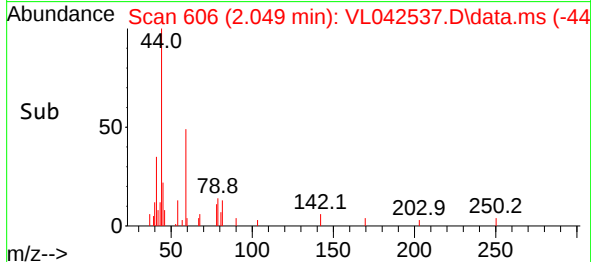
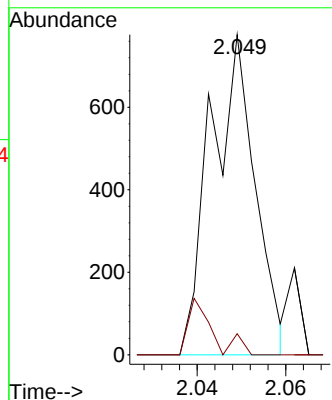
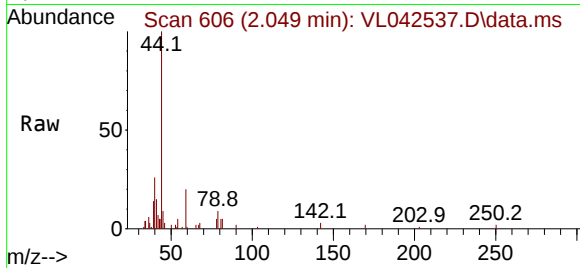
VL0514ABL01

Tgt Ion: 59 Resp: 541

Ion Ratio Lower Upper

59 100

57 7.4 8.2 12.4#



#19

Isopropyl Alcohol

Concen: 0.055 ppbv

RT: 1.894 min Scan# 558

Delta R.T. 0.013 min

Lab File: VL042537.D

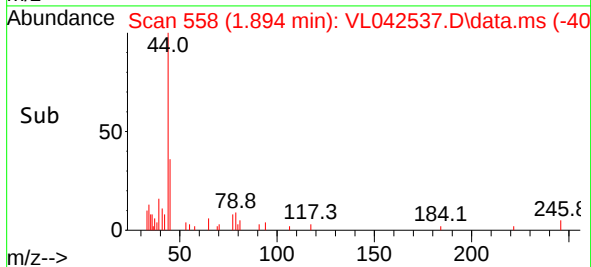
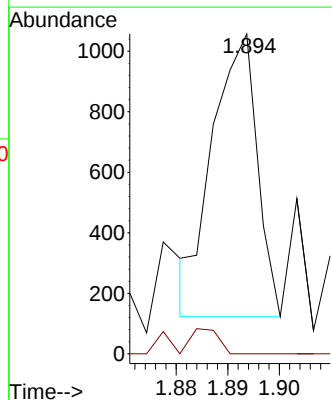
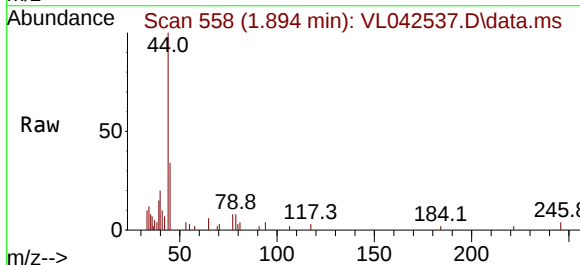
Acq: 14 May 2025 11:09

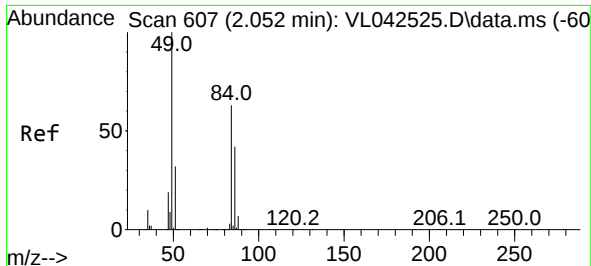
Tgt Ion: 45 Resp: 561

Ion Ratio Lower Upper

45 100

58 0.0 1.5 2.3#

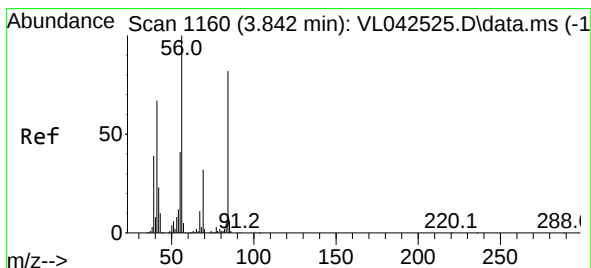
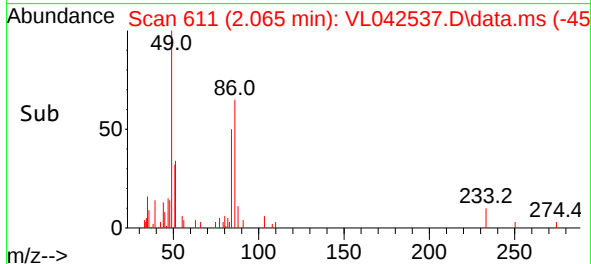
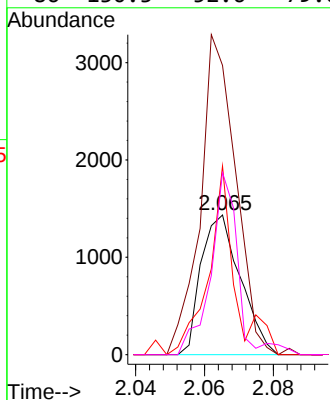
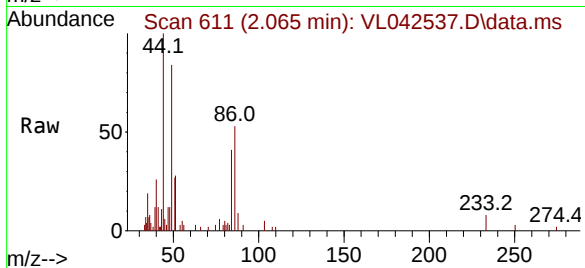




#20
Methylene Chloride
Concen: 0.176 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.013 min
Lab File: VL042537.D
Acq: 14 May 2025 11:09

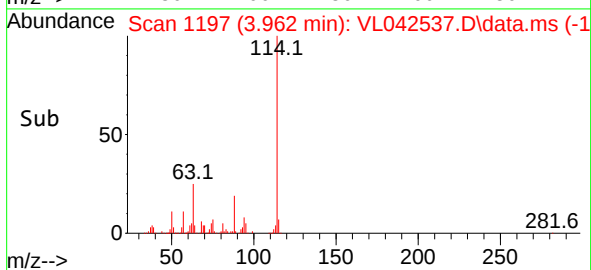
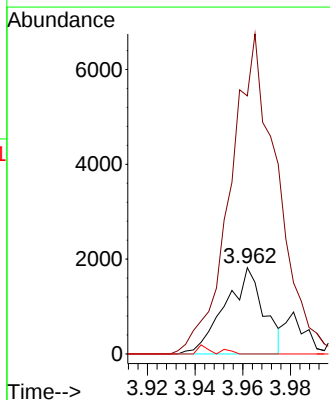
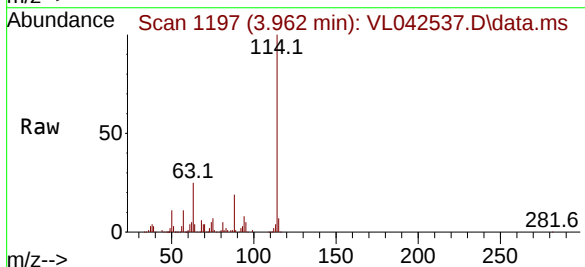
Instrument :
MSVOA_L
ClientSampleId :
VL0514ABL01

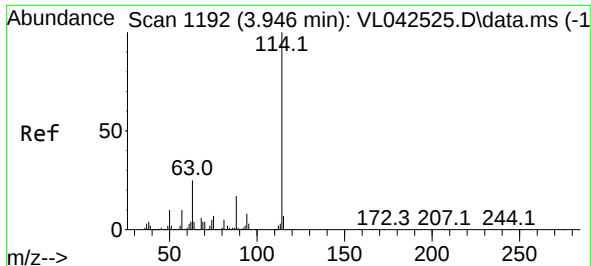
Tgt Ion:	84	Resp:	1142
Ion	Ratio	Lower	Upper
84	100		
49	207.1	128.2	192.4#
51	135.0	41.7	62.5#
86	130.3	52.6	79.0#



#30
Cyclohexane
Concen: 0.186 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.120 min
Lab File: VL042537.D
Acq: 14 May 2025 11:09

Tgt Ion:	84	Resp:	2057
Ion	Ratio	Lower	Upper
84	100		
56	451.3	97.1	145.7#
41	1.5	66.6	99.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. 0.019 min

Lab File: VL042537.D

Acq: 14 May 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABL01

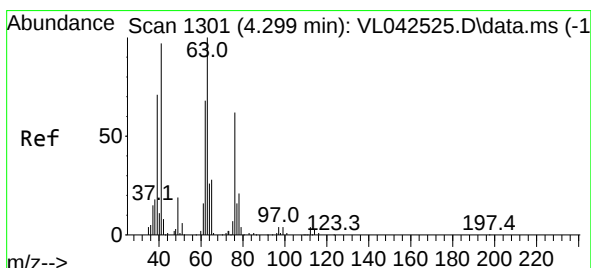
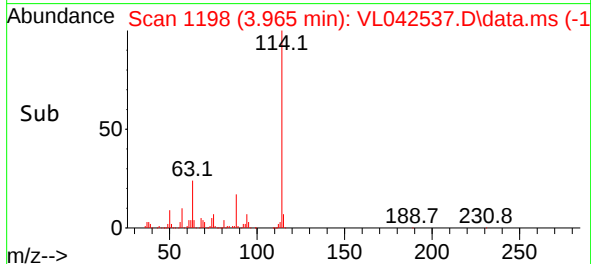
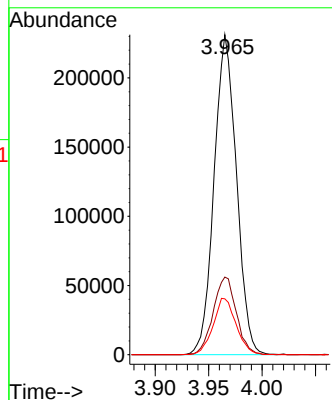
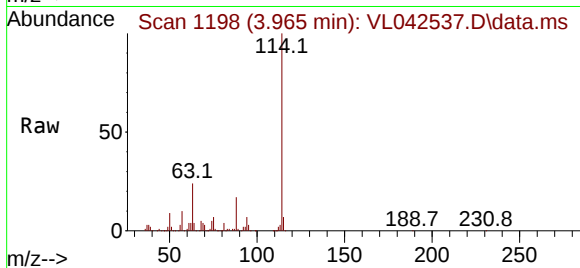
Tgt Ion:114 Resp: 336117

Ion Ratio Lower Upper

114 100

63 25.2 20.4 30.6

88 18.1 14.5 21.7



#39

1,2-Dichloropropane

Concen: 7.619 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.334 min

Lab File: VL042537.D

Acq: 14 May 2025 11:09

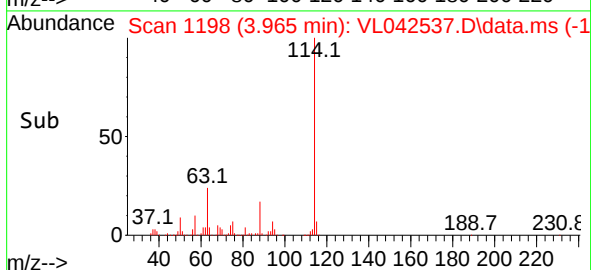
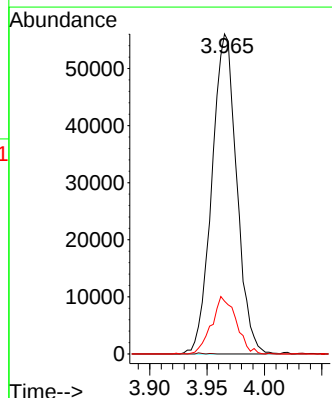
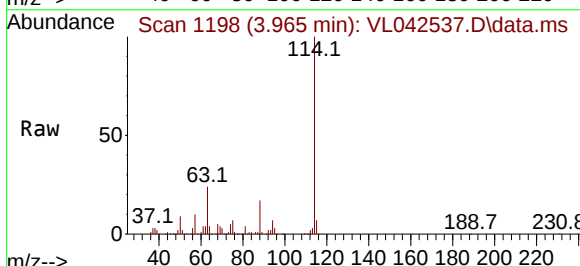
Tgt Ion: 63 Resp: 84538

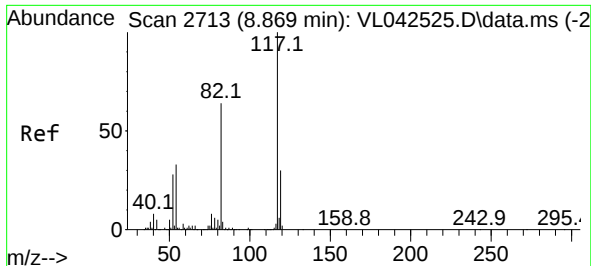
Ion Ratio Lower Upper

63 100

41 0.0 77.5 116.3#

62 16.5 54.6 82.0#

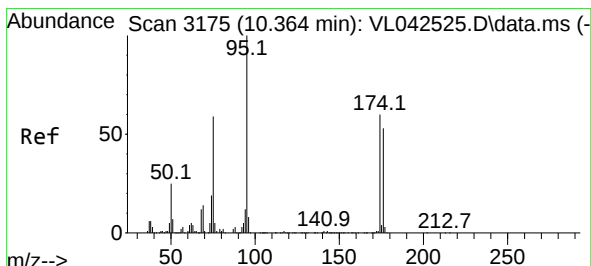
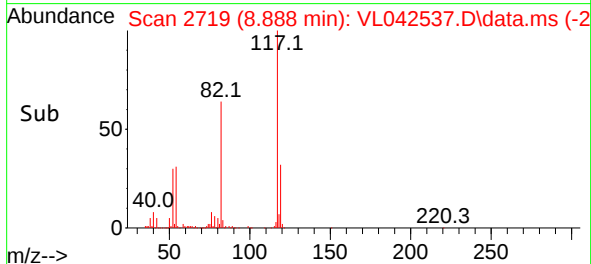
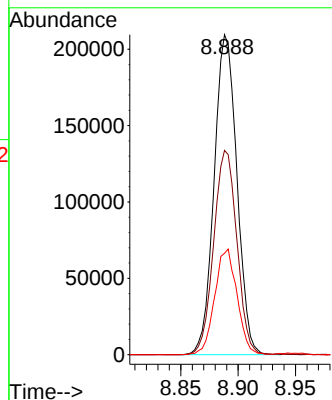
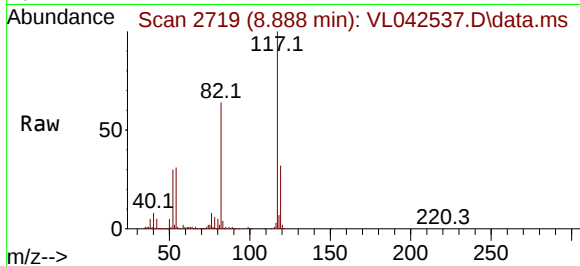




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL042537.D
Acq: 14 May 2025 11:09

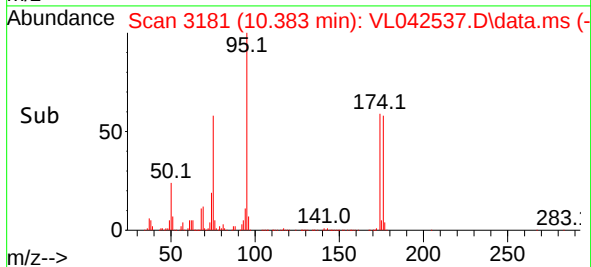
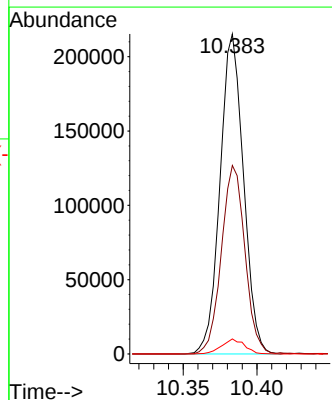
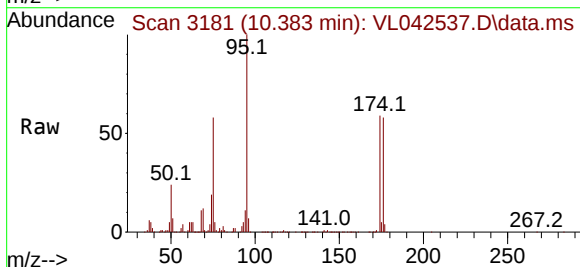
Instrument :
MSVOA_L
ClientSampleId :
VL0514ABL01

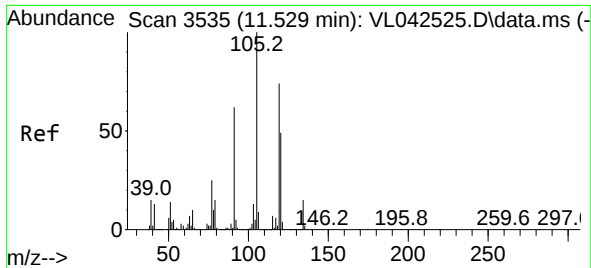
Tgt Ion:117 Resp: 289273
Ion Ratio Lower Upper
117 100
82 65.1 55.0 82.4
119 32.5 25.8 38.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.459 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.019 min
Lab File: VL042537.D
Acq: 14 May 2025 11:09

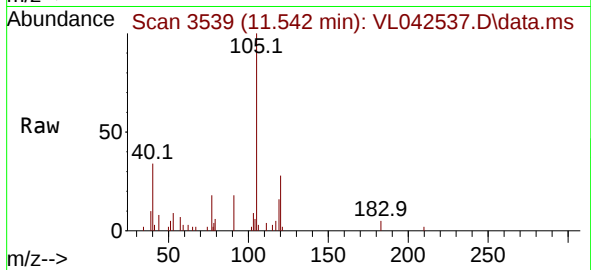
Tgt Ion: 95 Resp: 238085
Ion Ratio Lower Upper
95 100
174 59.4 48.0 72.0
175 4.6 3.5 5.3





#74
 1,2,4-Trimethylbenzene
 Concen: 0.069 ppbv
 RT: 11.542 min Scan# 31
 Delta R.T. 0.013 min
 Lab File: VL042537.D
 Acq: 14 May 2025 11:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABL01



Tgt Ion:	105	Resp:	3123
Ion	Ratio	Lower	Upper
105	100		
120	28.3	39.0	58.6#
91	17.8	49.4	74.2#
77	17.5	19.8	29.6#

