

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
 Data File : VL042414.D
 Acq On : 22 Apr 2025 07:47
 Operator : SY/MD
 Sample : Q1844-01DL2 600X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

Quant Time: Apr 22 08:41:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	119088	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	333100	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	281509	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.384	95	239958	10.373	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.700%

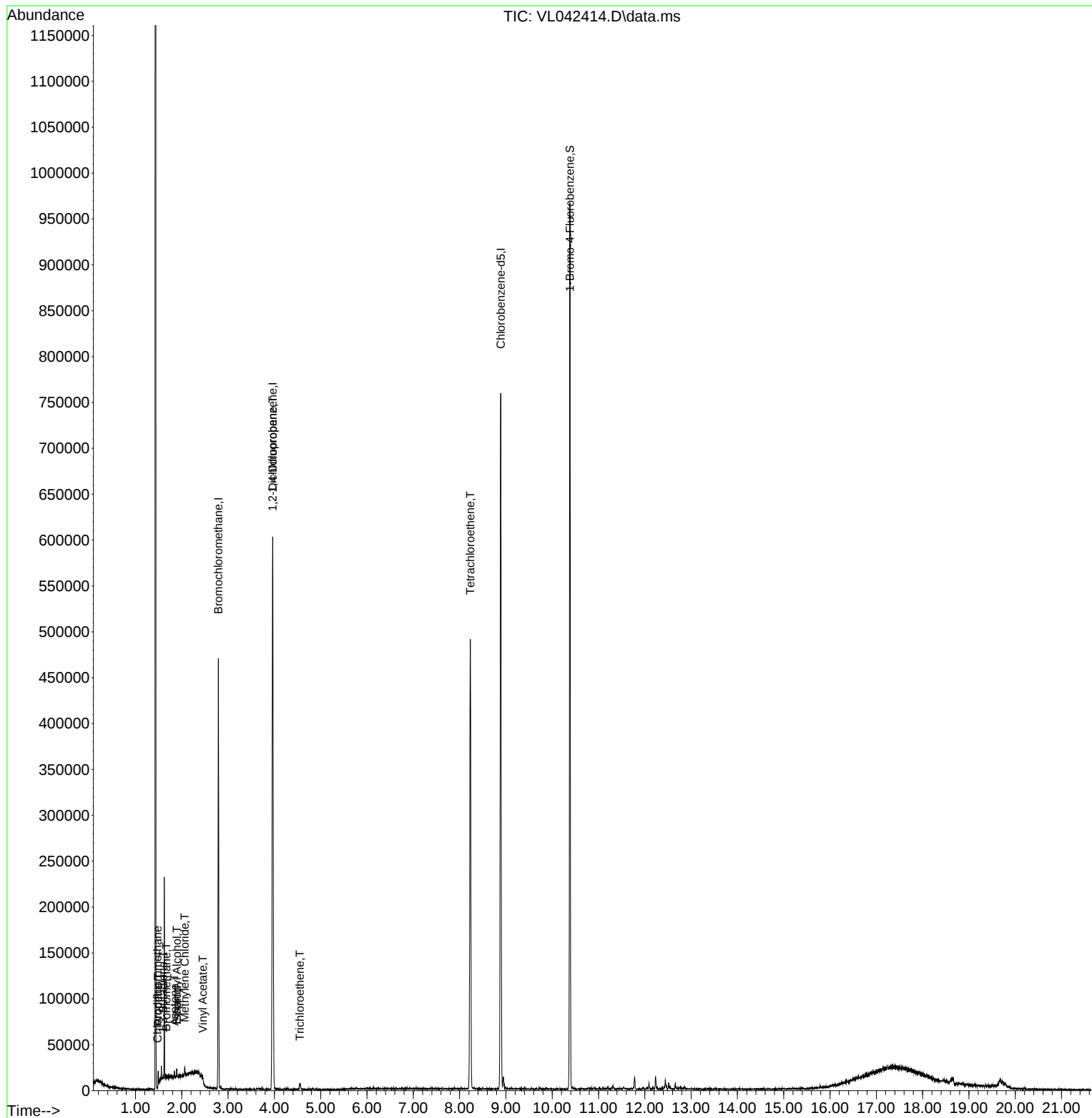
Target Compounds						Qvalue
3) Chlorodifluoromethane	1.476	51	607	0.030	ppbv #	56
6) Bromomethane	1.671	94	161	0.041	ppbv	86
9) Propene	1.489	41	1218	0.133	ppbv #	81
13) Ethanol	1.891	45	3044	2.099	ppbv #	24
15) Acetone	1.839	43	3063	0.157	ppbv #	83
16) 1,3-Butadiene	1.596	39	494	0.053	ppbv #	40
19) Isopropyl Alcohol	1.891	45	3044	0.281	ppbv	91
20) Methylene Chloride	2.065	84	1553	0.203	ppbv #	83
23) Vinyl Acetate	2.454	43	913	0.116	ppbv #	1
38) Trichloroethene	4.548	130	881	0.056	ppbv #	16
39) 1,2-Dichloropropane	3.965	63	93453	6.980	ppbv #	21
52) Tetrachloroethene	8.231	164	74583	5.371	ppbv	92

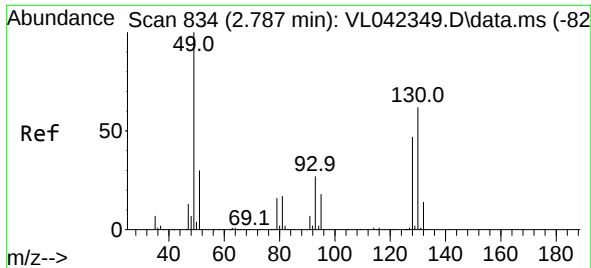
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 22 08:41:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

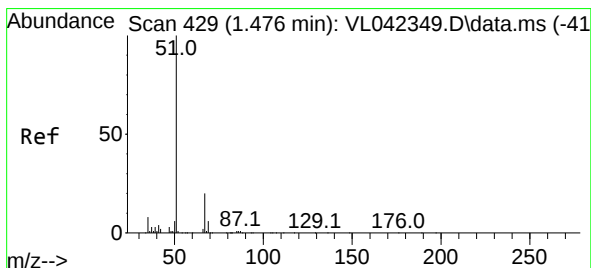
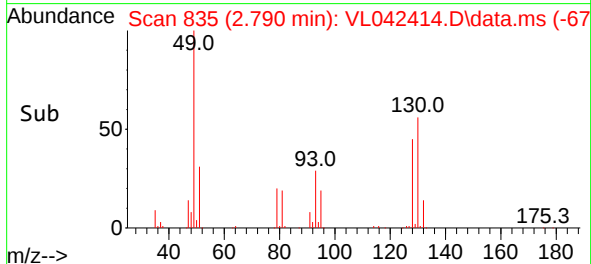
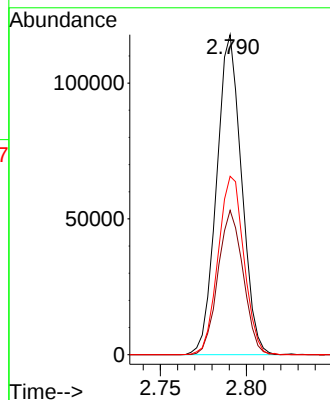
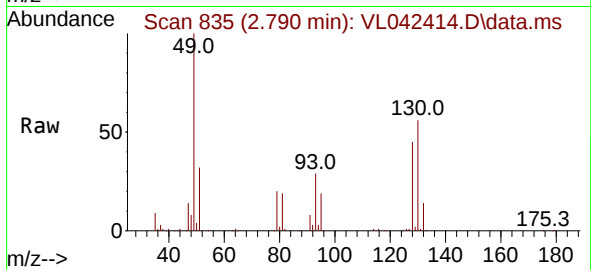




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.790 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VL042414.D
 Acq: 22 Apr 2025 07:47

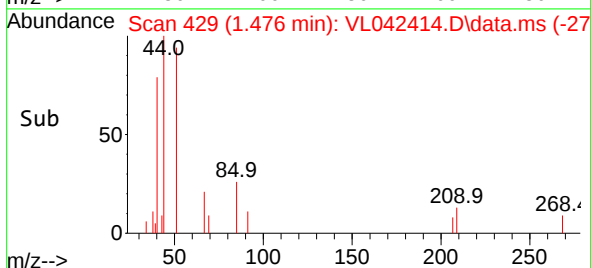
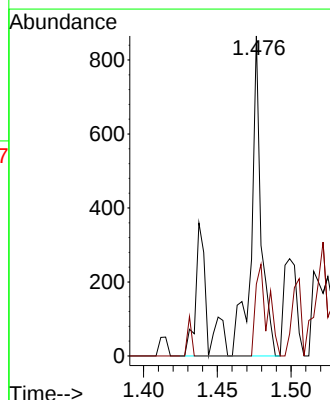
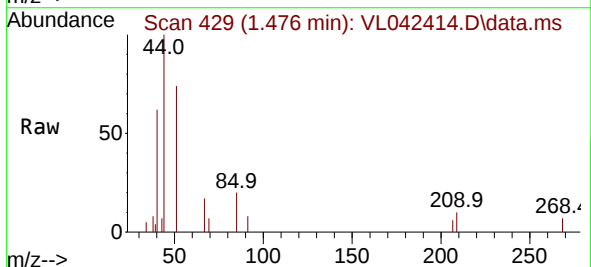
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

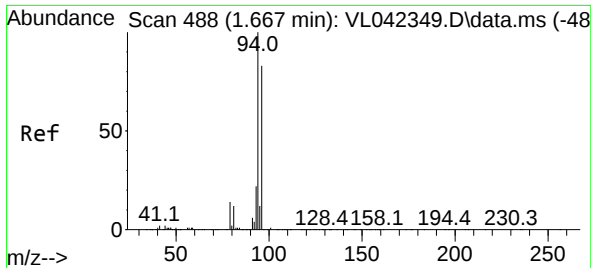
Tgt Ion: 49 Resp: 119088
 Ion Ratio Lower Upper
 49 100
 128 45.3 22.8 68.4
 130 57.5 29.3 88.0



#3
 Chlorodifluoromethane
 Concen: 0.030 ppbv
 RT: 1.476 min Scan# 429
 Delta R.T. 0.000 min
 Lab File: VL042414.D
 Acq: 22 Apr 2025 07:47

Tgt Ion: 51 Resp: 607
 Ion Ratio Lower Upper
 51 100
 67 0.0 16.2 24.4#

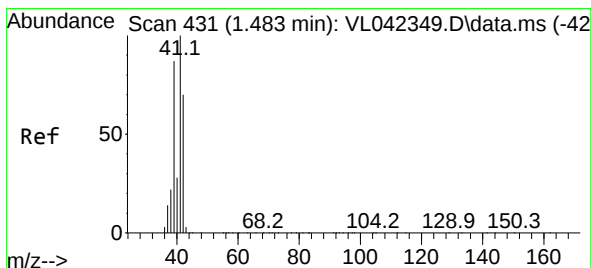
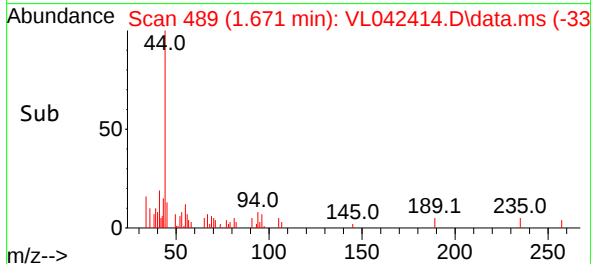
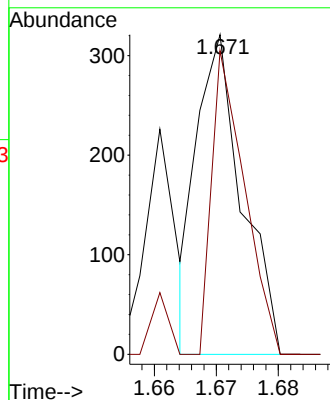
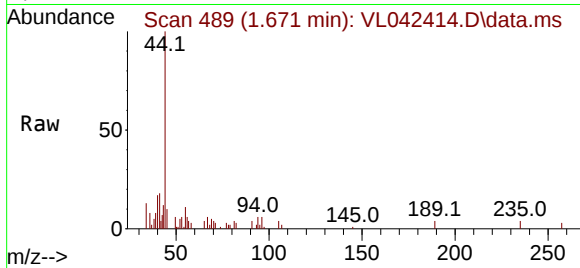




#6
Bromomethane
Concen: 0.041 ppbv
RT: 1.671 min Scan# 41
Delta R.T. 0.004 min
Lab File: VL042414.D
Acq: 22 Apr 2025 07:47

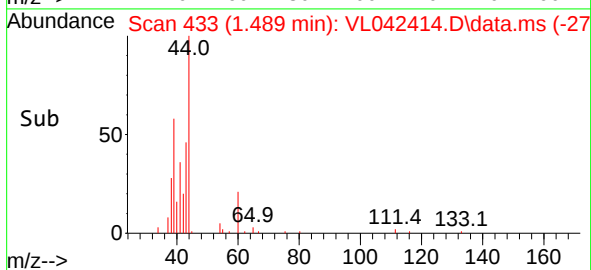
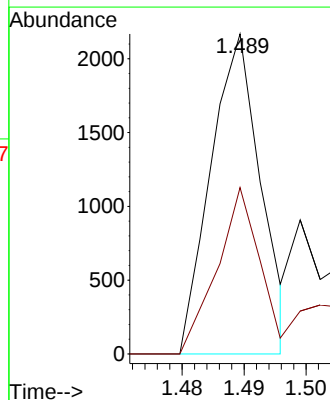
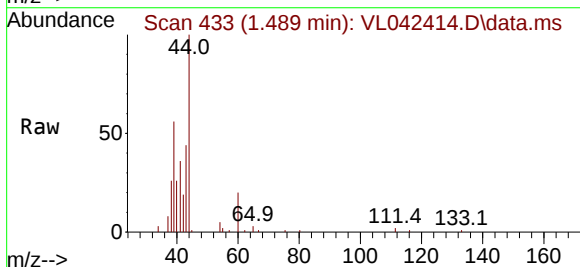
Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

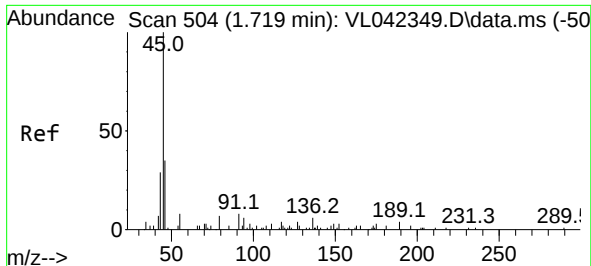
Tgt Ion: 94 Resp: 161
Ion Ratio Lower Upper
94 100
96 95.0 66.2 99.2



#9
Propene
Concen: 0.133 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.007 min
Lab File: VL042414.D
Acq: 22 Apr 2025 07:47

Tgt Ion: 41 Resp: 1218
Ion Ratio Lower Upper
41 100
42 85.6 56.2 84.4#

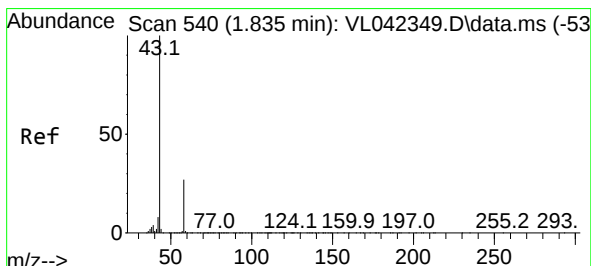
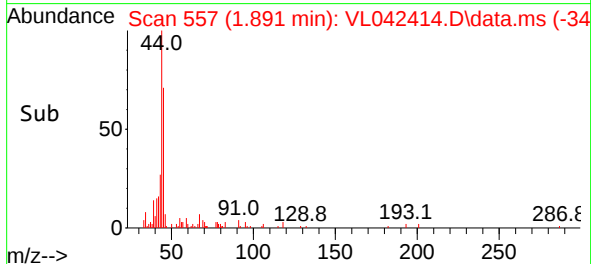
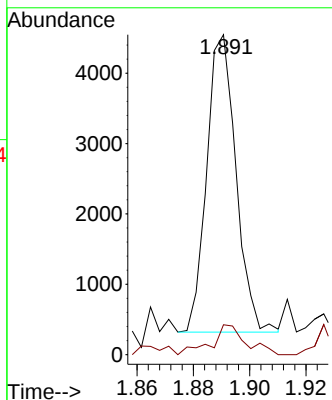
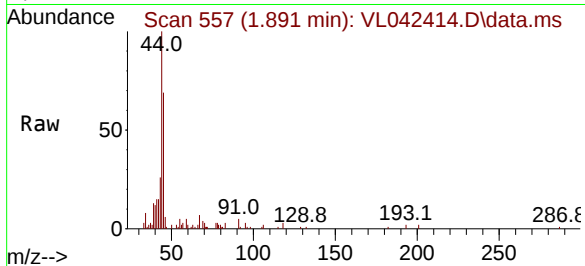




#13
Ethanol
Concen: 2.099 ppbv
RT: 1.891 min Scan# 51
Delta R.T. 0.172 min
Lab File: VL042414.D
Acq: 22 Apr 2025 07:47

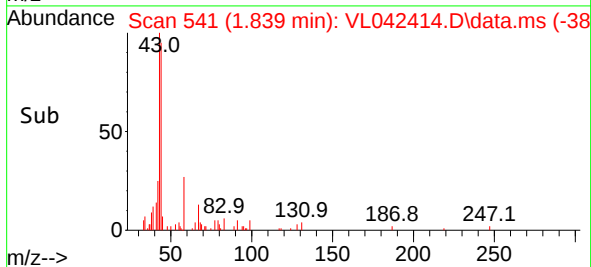
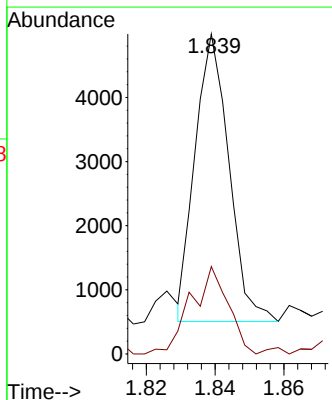
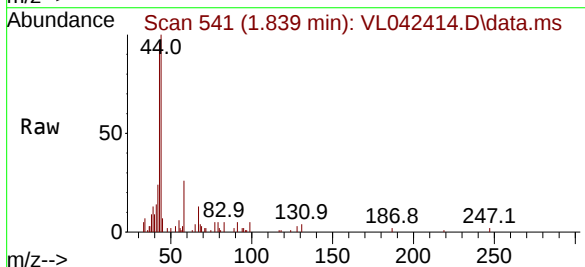
Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

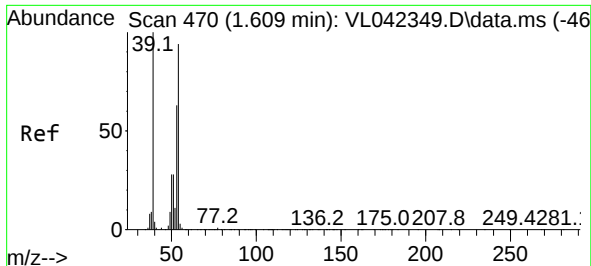
Tgt Ion: 45 Resp: 3044
Ion Ratio Lower Upper
45 100
46 0.0 21.9 87.7#



#15
Acetone
Concen: 0.157 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.004 min
Lab File: VL042414.D
Acq: 22 Apr 2025 07:47

Tgt Ion: 43 Resp: 3063
Ion Ratio Lower Upper
43 100
58 37.0 22.4 33.6#





#16

1,3-Butadiene

Concen: 0.053 ppbv

RT: 1.596 min Scan# 4

Delta R.T. -0.013 min

Lab File: VL042414.D

Acq: 22 Apr 2025 07:47

Instrument :

MSVOA_L

ClientSampleId :

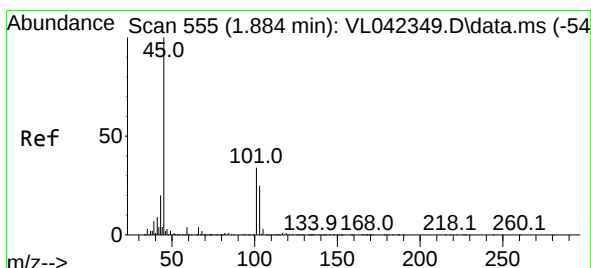
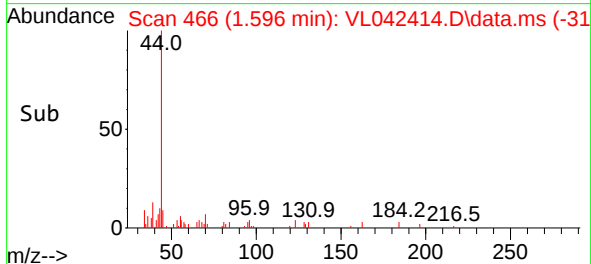
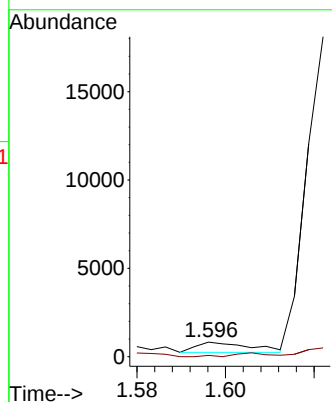
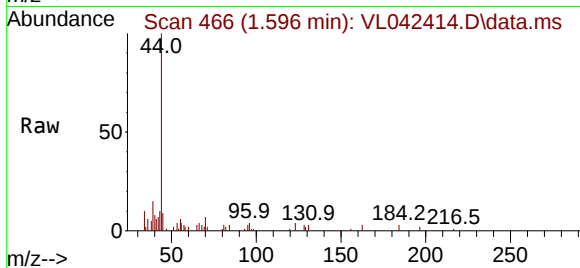
SV1DL2

Tgt Ion: 39 Resp: 494

Ion Ratio Lower Upper

39 100

54 27.3 64.9 97.3#



#19

Isopropyl Alcohol

Concen: 0.281 ppbv

RT: 1.891 min Scan# 557

Delta R.T. 0.007 min

Lab File: VL042414.D

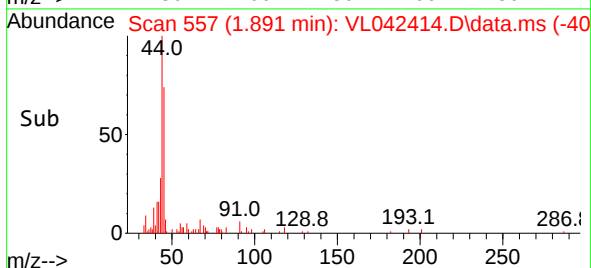
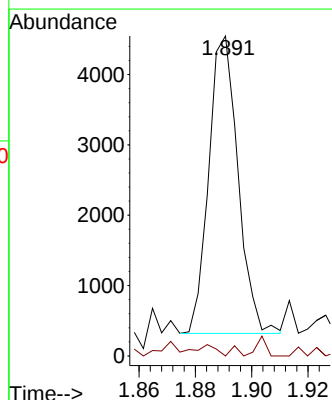
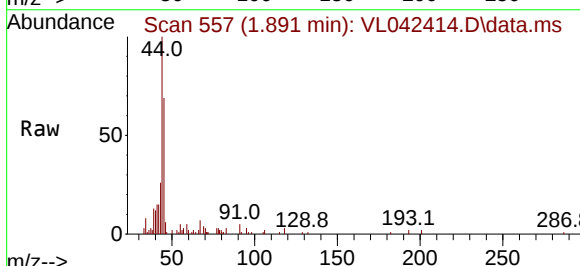
Acq: 22 Apr 2025 07:47

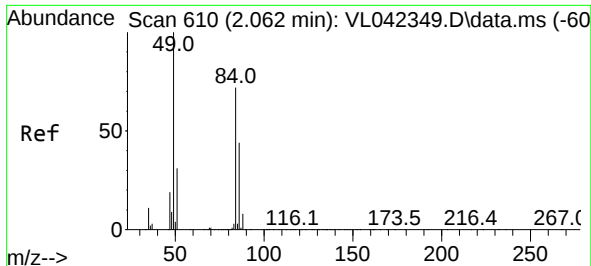
Tgt Ion: 45 Resp: 3044

Ion Ratio Lower Upper

45 100

58 37.3 34.5 51.7





#20

Methylene Chloride

Concen: 0.203 ppbv

RT: 2.065 min Scan# 610

Delta R.T. 0.004 min

Lab File: VL042414.D

Acq: 22 Apr 2025 07:47

Instrument :

MSVOA_L

ClientSampleId :

SV1DL2

Tgt Ion: 84 Resp: 1553

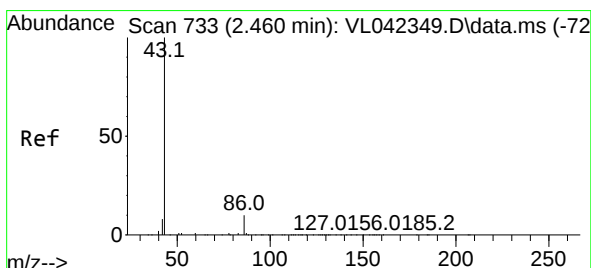
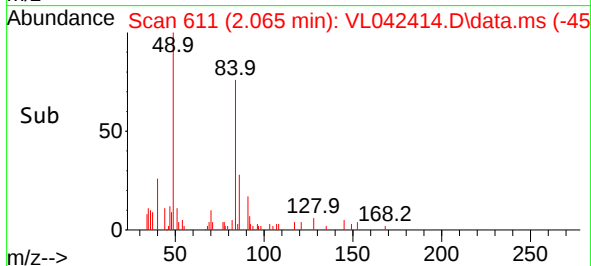
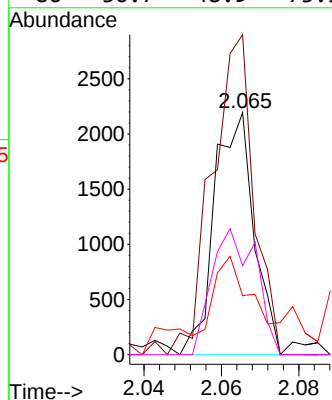
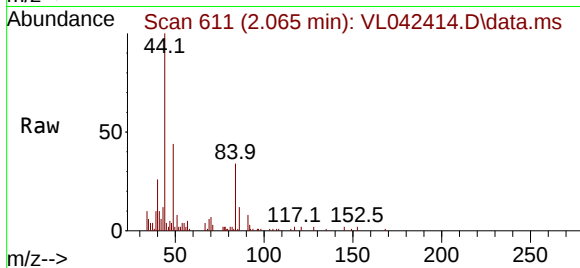
Ion Ratio Lower Upper

84 100

49 137.1 111.6 167.4

51 13.8 35.1 52.7#

86 36.7 48.9 73.3#



#23

Vinyl Acetate

Concen: 0.116 ppbv

RT: 2.454 min Scan# 731

Delta R.T. -0.006 min

Lab File: VL042414.D

Acq: 22 Apr 2025 07:47

Tgt Ion: 43 Resp: 913

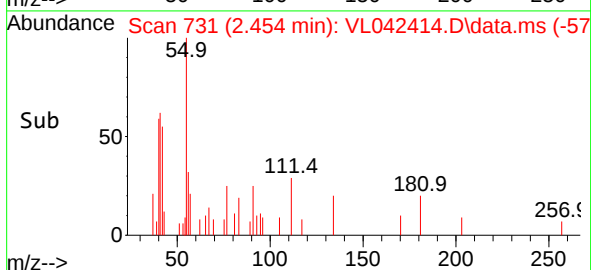
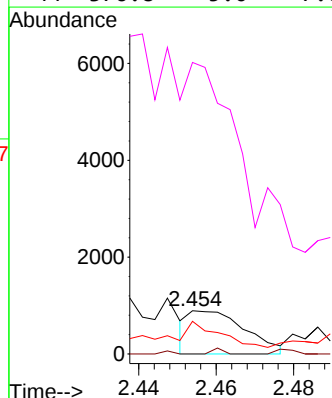
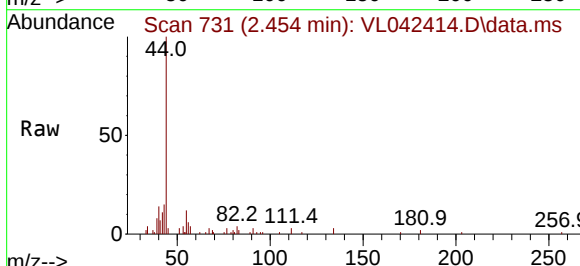
Ion Ratio Lower Upper

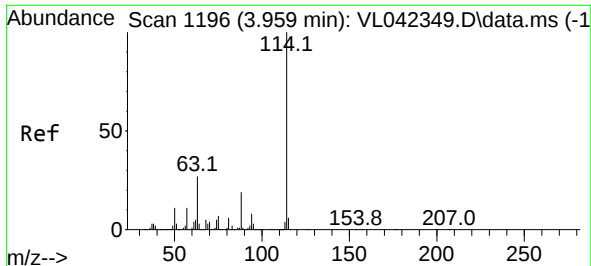
43 100

86 0.0 6.5 9.7#

42 62.4 7.8 11.8#

44 376.8 5.0 7.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.004 min

Lab File: VL042414.D

Acq: 22 Apr 2025 07:47

Instrument :

MSVOA_L

ClientSampleId :

SV1DL2

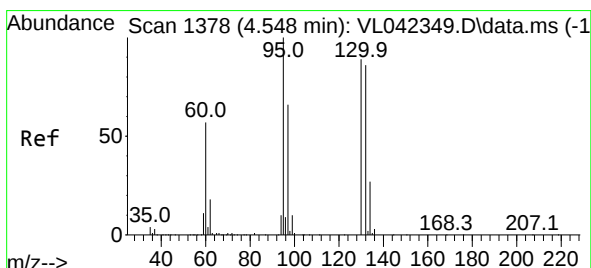
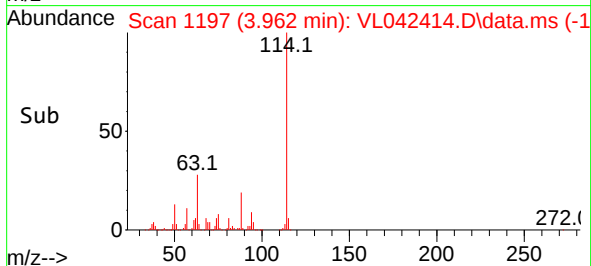
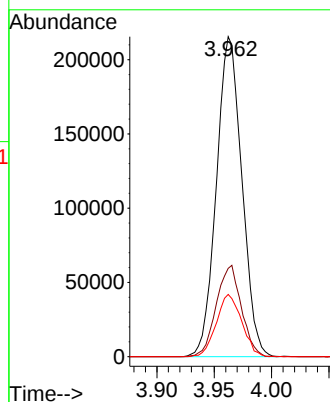
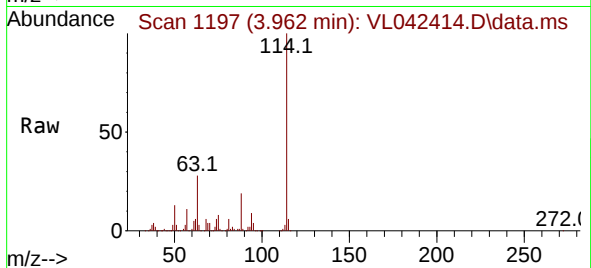
Tgt Ion:114 Resp: 333100

Ion Ratio Lower Upper

114 100

63 28.1 21.8 32.6

88 19.4 15.5 23.3



#38

Trichloroethene

Concen: 0.056 ppbv

RT: 4.548 min Scan# 1378

Delta R.T. 0.000 min

Lab File: VL042414.D

Acq: 22 Apr 2025 07:47

Tgt Ion:130 Resp: 881

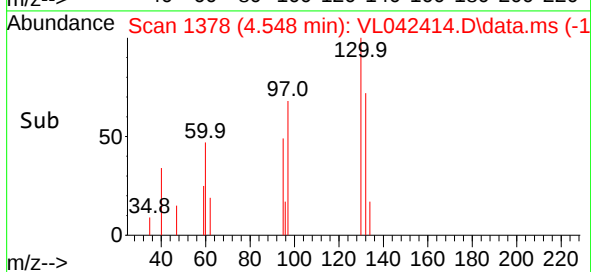
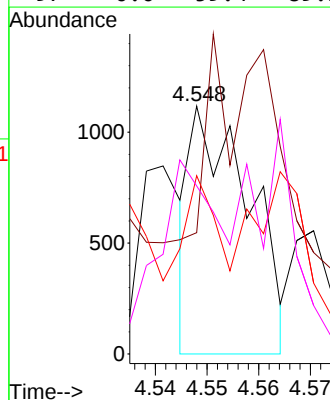
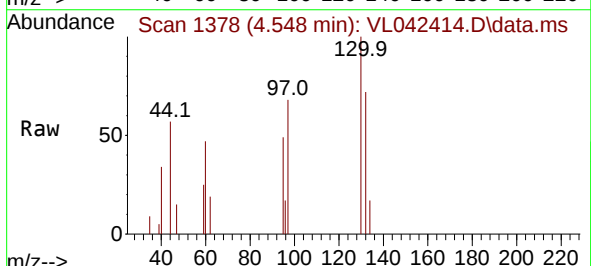
Ion Ratio Lower Upper

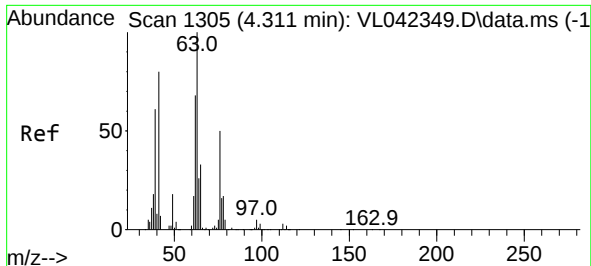
130 100

95 3.6 89.8 134.6#

132 36.8 77.7 116.5#

97 0.0 59.4 89.2#





#39

1,2-Dichloropropane

Concen: 6.980 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.346 min

Lab File: VL042414.D

Acq: 22 Apr 2025 07:47

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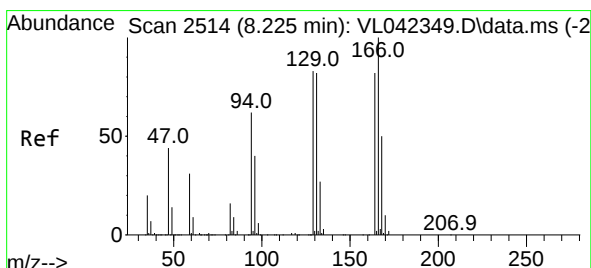
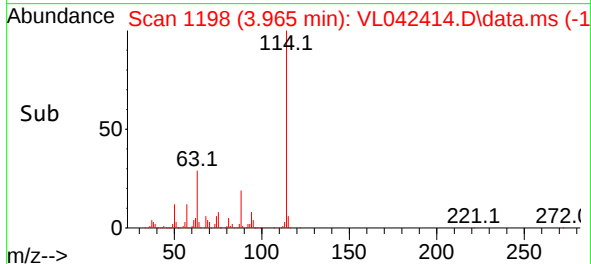
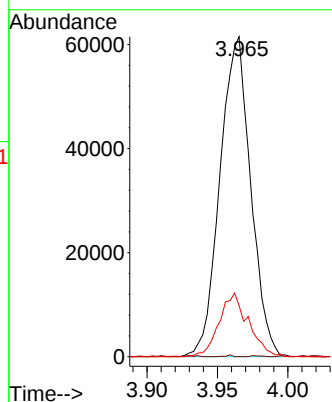
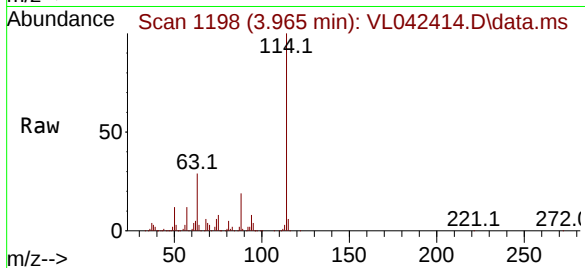
Tgt Ion: 63 Resp: 93453

Ion Ratio Lower Upper

63 100

41 0.0 64.2 96.2#

62 15.9 54.3 81.5#



#52

Tetrachloroethene

Concen: 5.371 ppbv

RT: 8.231 min Scan# 2516

Delta R.T. 0.007 min

Lab File: VL042414.D

Acq: 22 Apr 2025 07:47

Tgt Ion: 164 Resp: 74583

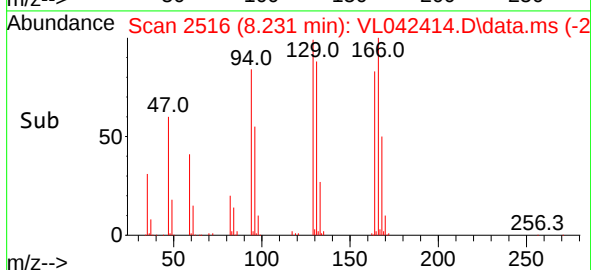
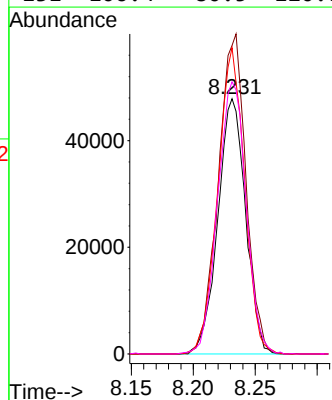
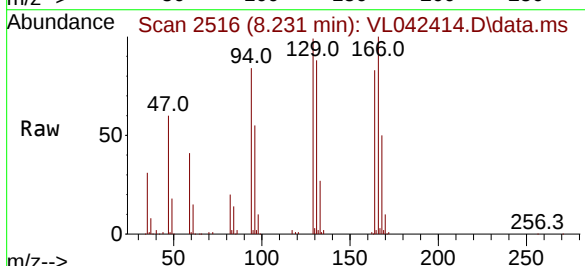
Ion Ratio Lower Upper

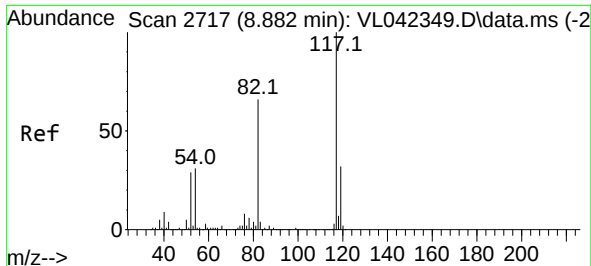
164 100

166 120.9 98.2 147.2

129 119.7 81.8 122.8

131 106.4 80.5 120.7

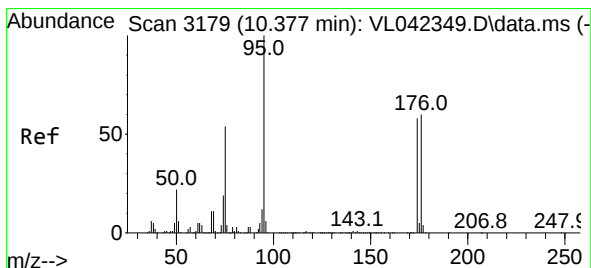
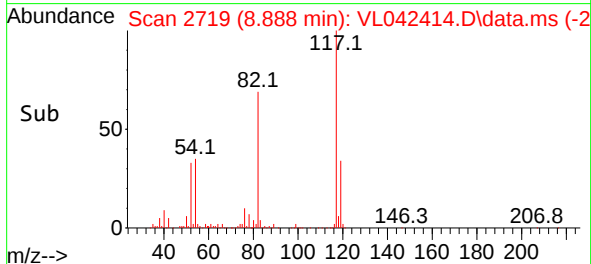
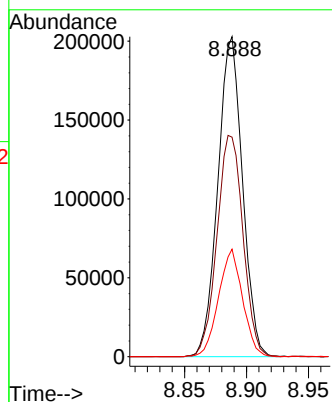
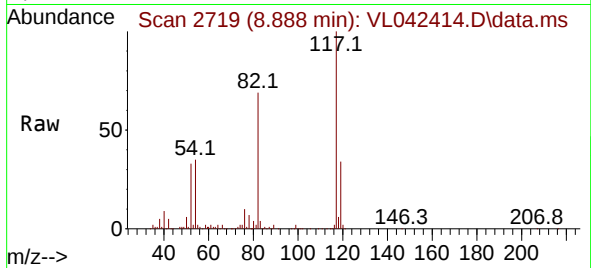




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042414.D
Acq: 22 Apr 2025 07:47

Instrument :
MSVOA_1
ClientSampleId :
SV1DL2

Tgt Ion:117 Resp: 281509
Ion Ratio Lower Upper
117 100
82 73.0 57.8 86.6
119 32.7 25.2 37.8



#68
1-Bromo-4-Fluorobenzene
Concen: 10.373 ppbv
RT: 10.384 min Scan# 3181
Delta R.T. 0.007 min
Lab File: VL042414.D
Acq: 22 Apr 2025 07:47

Tgt Ion: 95 Resp: 239958
Ion Ratio Lower Upper
95 100
174 53.5 48.5 72.7
175 4.1 3.7 5.5

