

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041825\
 Data File : VL042392.D
 Acq On : 18 Apr 2025 15:16
 Operator : SY/MD
 Sample : Q1726-06DL2 100X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-3-03312025DL2

Quant Time: Apr 18 23:00:07 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)

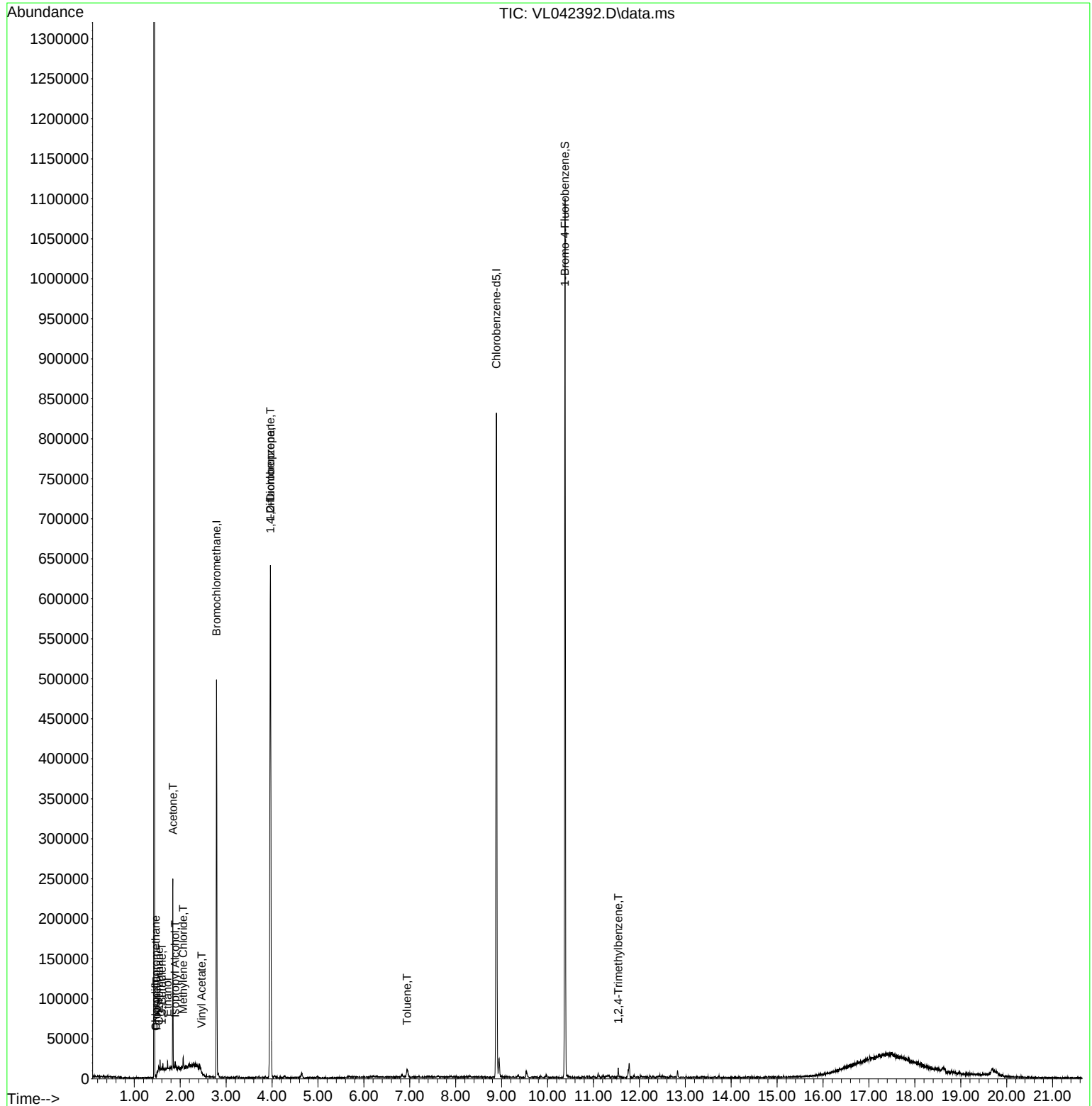
Internal Standards						
1) Bromochloromethane	2.791	49	121646	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.966	114	379829	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	325040	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.381	95	267080	9.999	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.000%	
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	1.467	51	950	0.046	ppbv #	76
4) Chloromethane	1.535	50	307	0.036	ppbv #	52
9) Propene	1.486	41	348	0.037	ppbv #	15
13) Ethanol	1.723	45	4246	2.866	ppbv #	24
15) Acetone	1.839	43	102862	5.165	ppbv	98
16) 1,3-Butadiene	1.603	39	411	0.043	ppbv #	9
19) Isopropyl Alcohol	1.888	45	3881	0.351	ppbv #	1
20) Methylene Chloride	2.062	84	2263	0.290	ppbv #	84
23) Vinyl Acetate	2.464	43	503	0.062	ppbv #	1
39) 1,2-Dichloropropane	3.962	63	96830	6.343	ppbv #	22
53) Toluene	6.940	91	1886	0.038	ppbv #	1
74) 1,2,4-Trimethylbenzene	11.539	105	3442	0.052	ppbv #	71

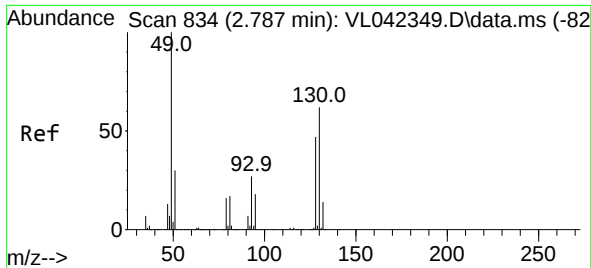
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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IA-B2-3-03312025DL2

Quant Time: Apr 18 23:00:07 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

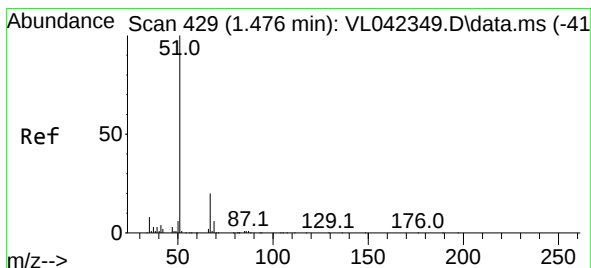
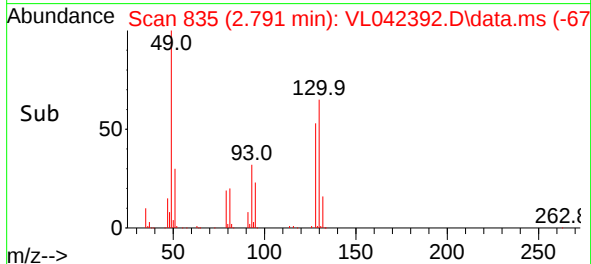
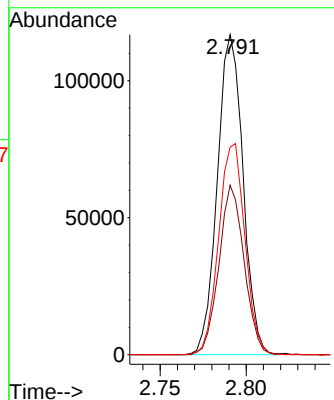
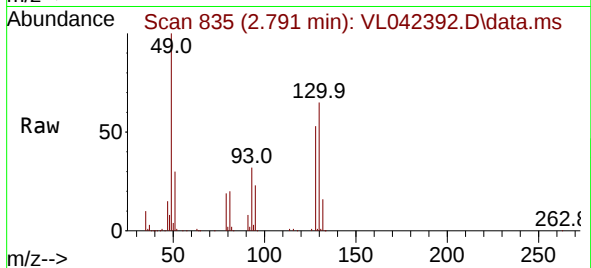




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.791 min Scan# 81
Delta R.T. 0.004 min
Lab File: VL042392.D
Acq: 18 Apr 2025 15:16

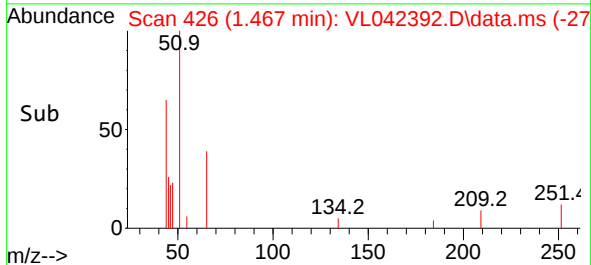
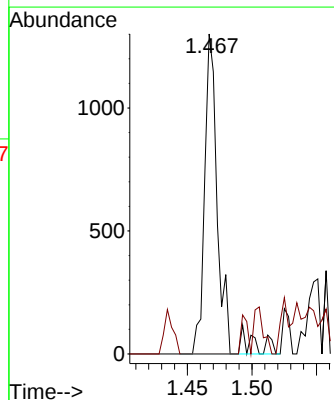
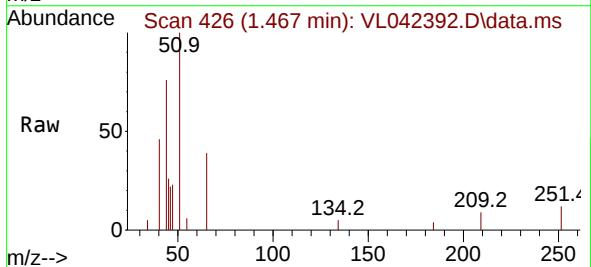
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025DL2

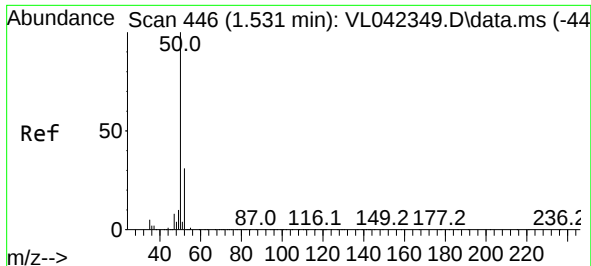
Tgt Ion: 49 Resp: 121646
Ion Ratio Lower Upper
49 100
128 51.9 22.8 68.4
130 67.3 29.3 88.0



#3
Chlorodifluoromethane
Concen: 0.046 ppbv
RT: 1.467 min Scan# 426
Delta R.T. -0.009 min
Lab File: VL042392.D
Acq: 18 Apr 2025 15:16

Tgt Ion: 51 Resp: 950
Ion Ratio Lower Upper
51 100
67 9.1 16.2 24.4#

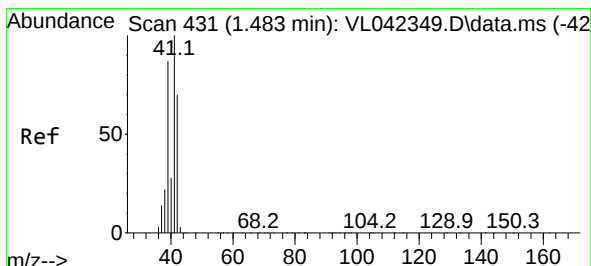
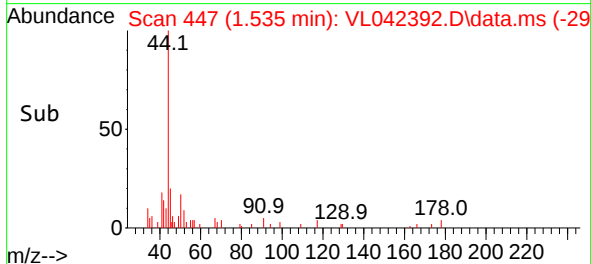
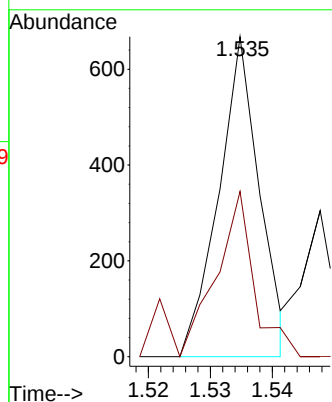
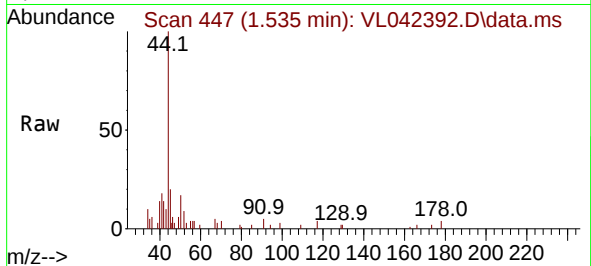




#4
Chloromethane
Concen: 0.036 ppbv
RT: 1.535 min Scan# 446
Delta R.T. 0.004 min
Lab File: VL042392.D
Acq: 18 Apr 2025 15:16

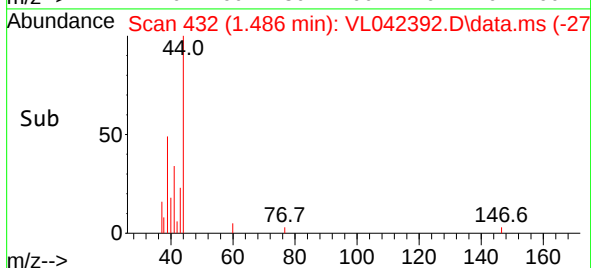
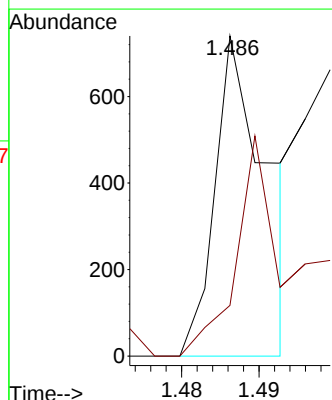
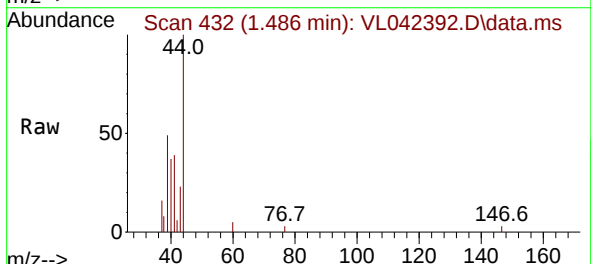
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025DL2

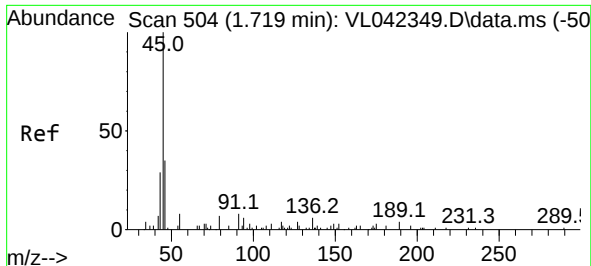
Tgt Ion: 50 Resp: 307
Ion Ratio Lower Upper
50 100
52 57.2 24.7 37.1#



#9
Propene
Concen: 0.037 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.004 min
Lab File: VL042392.D
Acq: 18 Apr 2025 15:16

Tgt Ion: 41 Resp: 348
Ion Ratio Lower Upper
41 100
42 0.0 56.2 84.4#

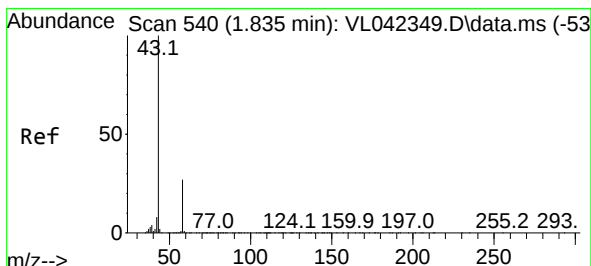
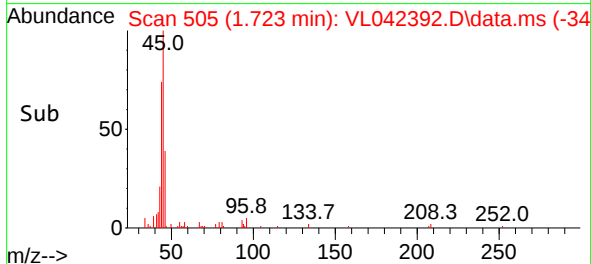
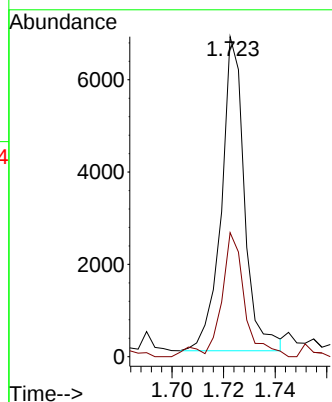
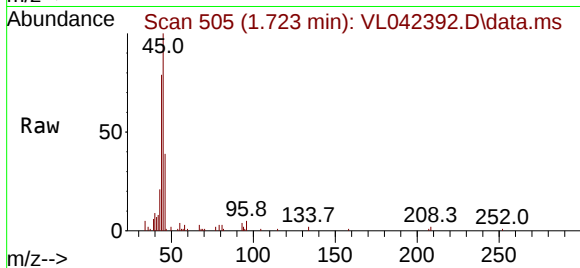




#13
Ethanol
Concen: 2.866 ppbv
RT: 1.723 min Scan# 504
Delta R.T. 0.004 min
Lab File: VL042392.D
Acq: 18 Apr 2025 15:16

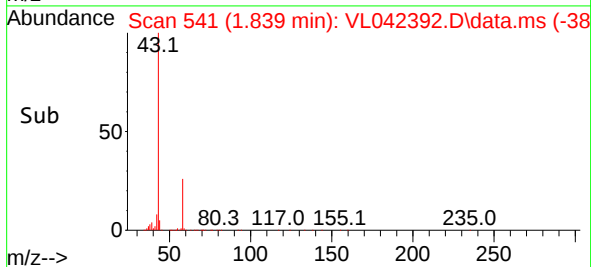
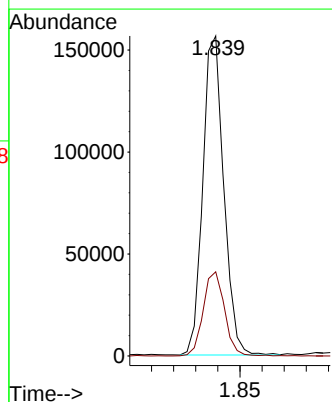
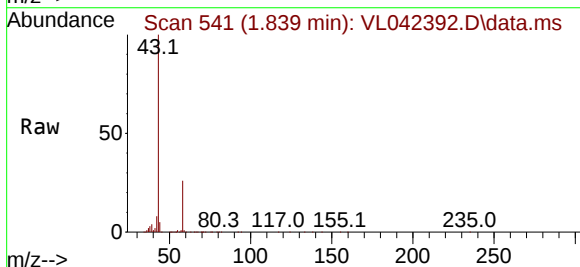
Instrument :
MSVOA_1
ClientSampleId :
IA-B2-3-03312025DL2

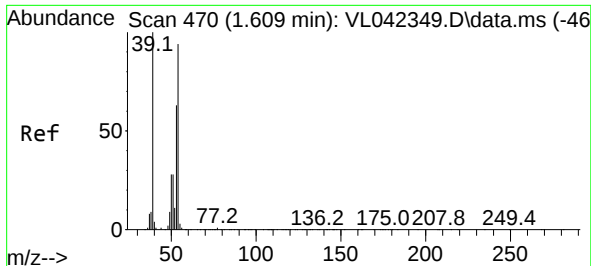
Tgt Ion: 45 Resp: 4246
Ion Ratio Lower Upper
45 100
46 0.0 21.9 87.7#



#15
Acetone
Concen: 5.165 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.004 min
Lab File: VL042392.D
Acq: 18 Apr 2025 15:16

Tgt Ion: 43 Resp: 102862
Ion Ratio Lower Upper
43 100
58 27.1 22.4 33.6

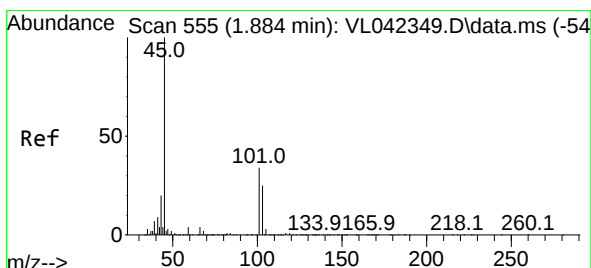
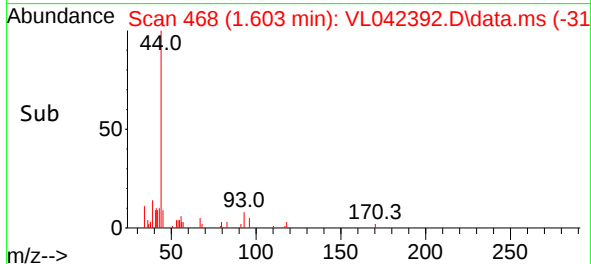
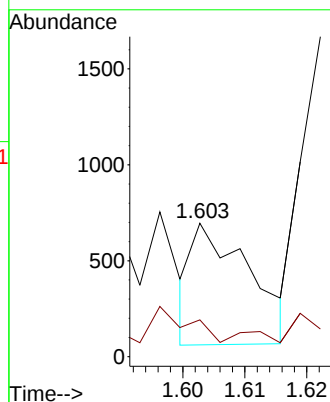
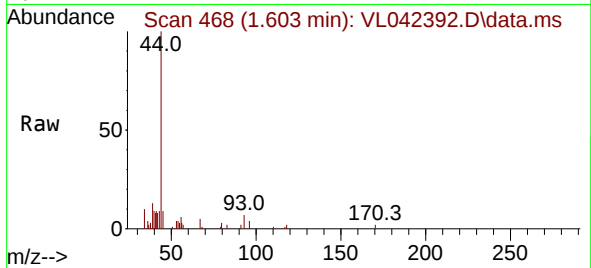




#16
1,3-Butadiene
Concen: 0.043 ppbv
RT: 1.603 min Scan# 411
Delta R.T. -0.006 min
Lab File: VL042392.D
Acq: 18 Apr 2025 15:16

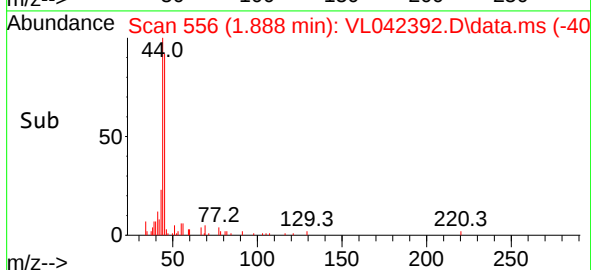
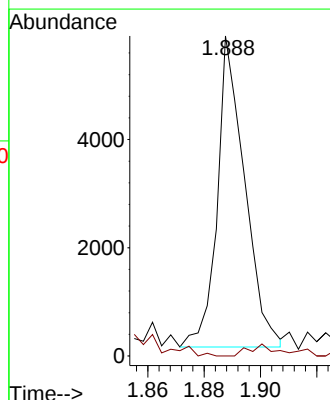
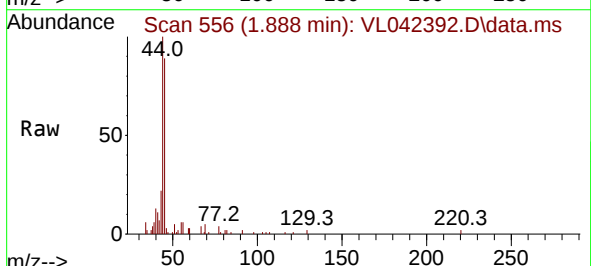
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025DL2

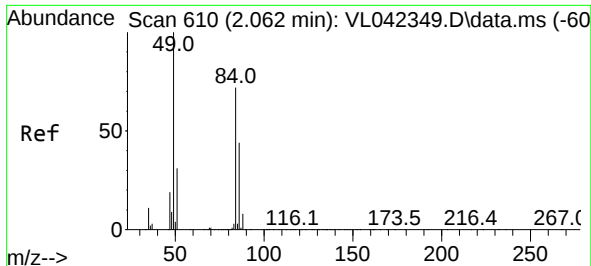
Tgt Ion: 39 Resp: 411
Ion Ratio Lower Upper
39 100
54 0.0 64.9 97.3#



#19
Isopropyl Alcohol
Concen: 0.351 ppbv
RT: 1.888 min Scan# 556
Delta R.T. 0.004 min
Lab File: VL042392.D
Acq: 18 Apr 2025 15:16

Tgt Ion: 45 Resp: 3881
Ion Ratio Lower Upper
45 100
58 717.0 34.5 51.7#

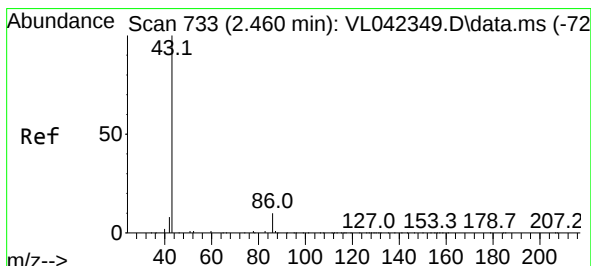
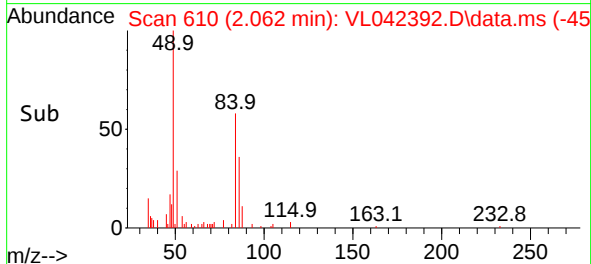
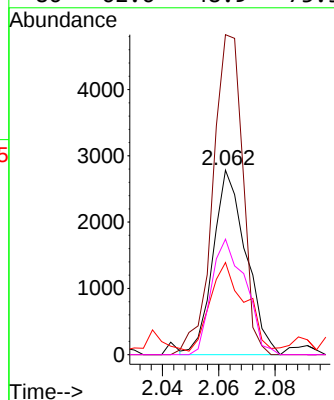
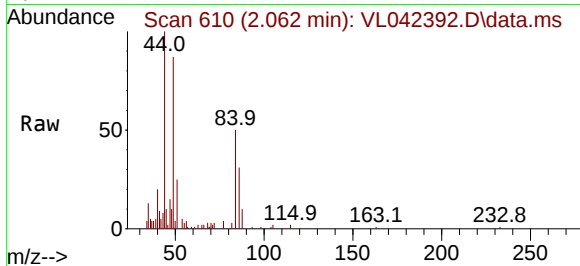




#20
Methylene Chloride
Concen: 0.290 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042392.D
Acq: 18 Apr 2025 15:16

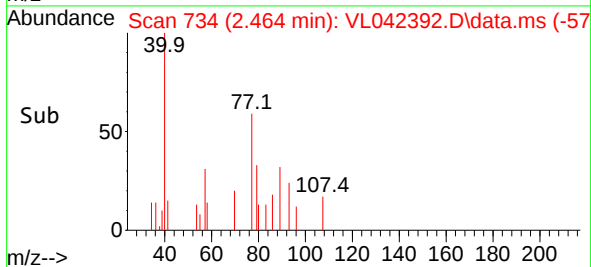
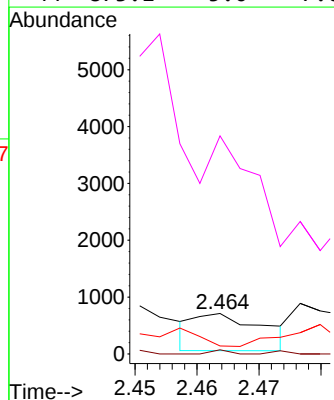
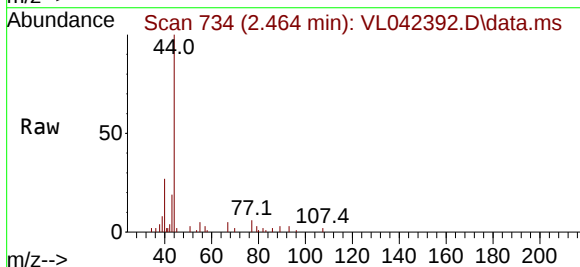
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025DL2

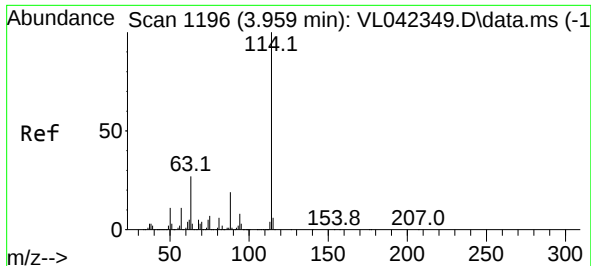
Tgt Ion:	84	Resp:	2263
Ion	Ratio	Lower	Upper
84	100		
49	170.8	111.6	167.4#
51	46.6	35.1	52.7
86	62.6	48.9	73.3



#23
Vinyl Acetate
Concen: 0.062 ppbv
RT: 2.464 min Scan# 734
Delta R.T. 0.004 min
Lab File: VL042392.D
Acq: 18 Apr 2025 15:16

Tgt Ion:	43	Resp:	503
Ion	Ratio	Lower	Upper
43	100		
86	32.7	6.5	9.7#
42	0.0	7.8	11.8#
44	873.1	5.0	7.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.966 min Scan# 1197

Delta R.T. 0.007 min

Lab File: VL042392.D

Acq: 18 Apr 2025 15:16

Instrument :

MSVOA_L

ClientSampleId :

IA-B2-3-03312025DL2

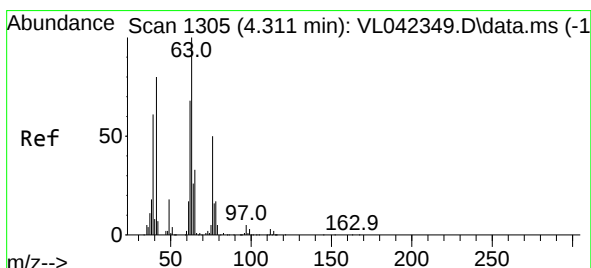
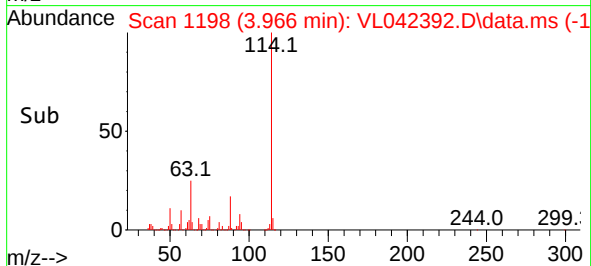
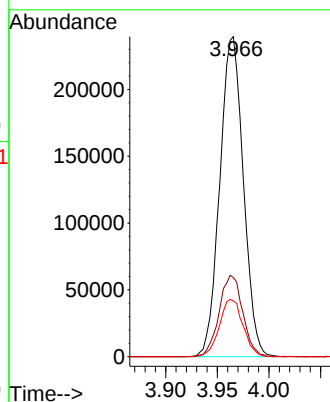
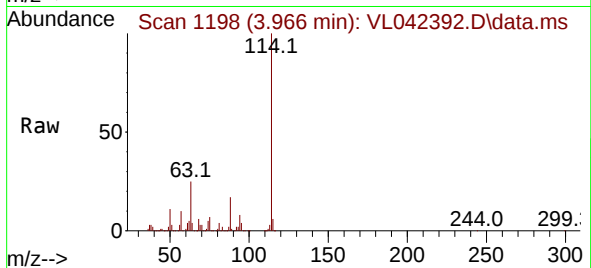
Tgt Ion:114 Resp: 379829

Ion Ratio Lower Upper

114 100

63 25.5 21.8 32.6

88 17.9 15.5 23.3



#39

1,2-Dichloropropane

Concen: 6.343 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.349 min

Lab File: VL042392.D

Acq: 18 Apr 2025 15:16

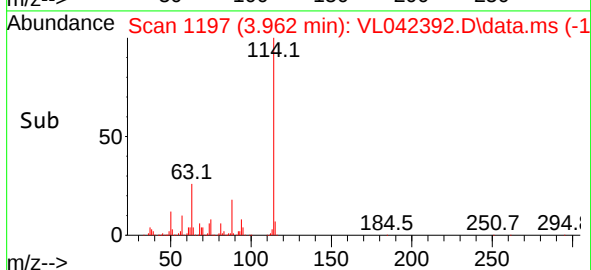
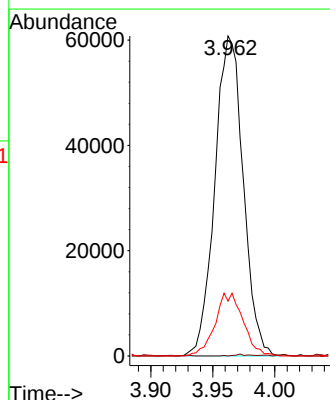
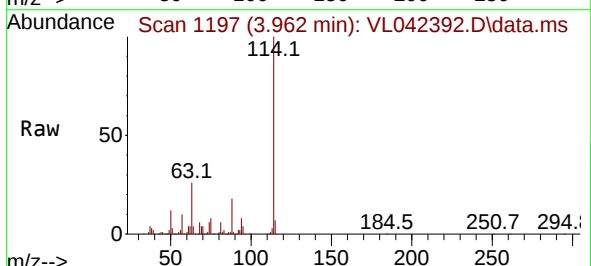
Tgt Ion: 63 Resp: 96830

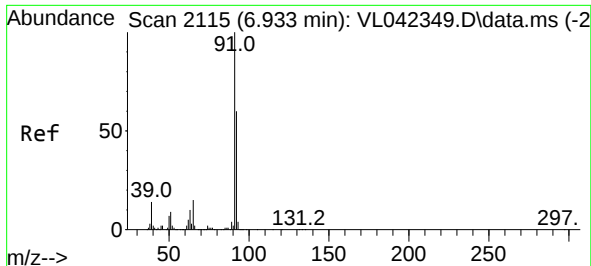
Ion Ratio Lower Upper

63 100

41 0.0 64.2 96.2#

62 17.2 54.3 81.5#

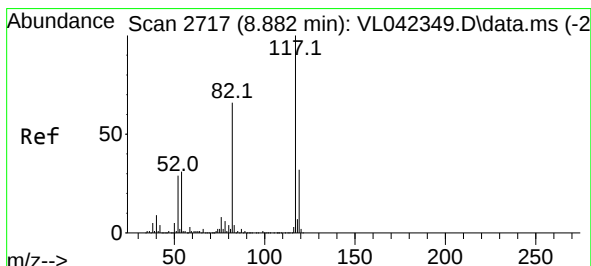
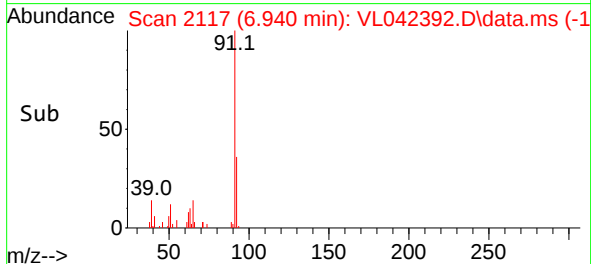
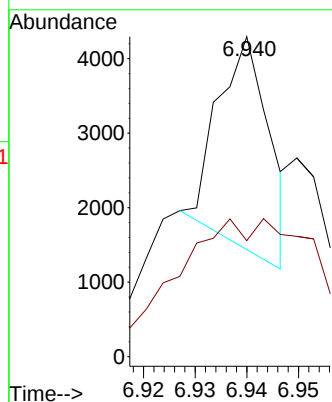
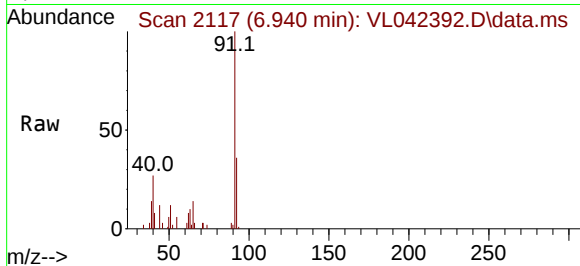




#53
Toluene
Concen: 0.038 ppbv
RT: 6.940 min Scan# 2115
Delta R.T. 0.007 min
Lab File: VL042392.D
Acq: 18 Apr 2025 15:16

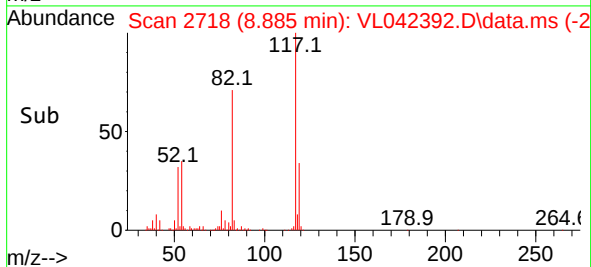
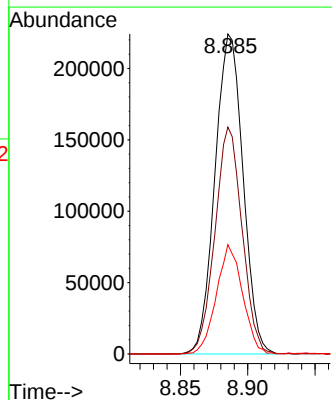
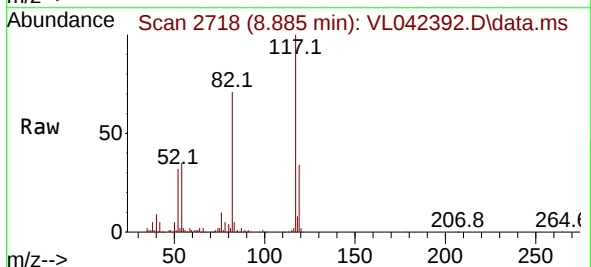
Instrument :
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IA-B2-3-03312025DL2

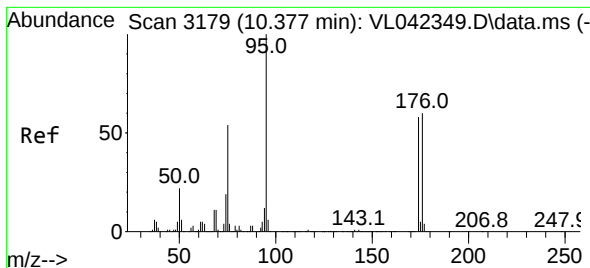
Tgt Ion: 91 Resp: 1886
Ion Ratio Lower Upper
91 100
92 211.8 48.2 72.4#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. 0.004 min
Lab File: VL042392.D
Acq: 18 Apr 2025 15:16

Tgt Ion: 117 Resp: 325040
Ion Ratio Lower Upper
117 100
82 68.5 57.8 86.6
119 32.0 25.2 37.8

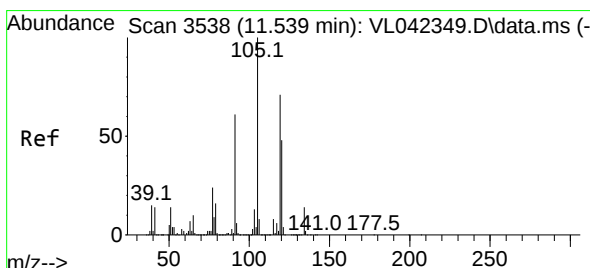
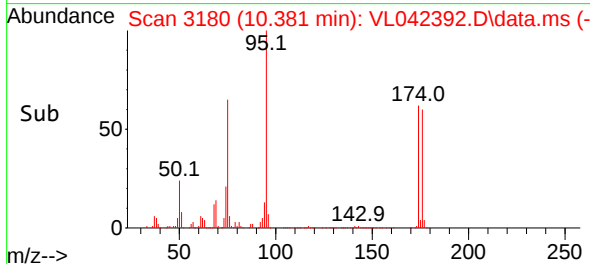
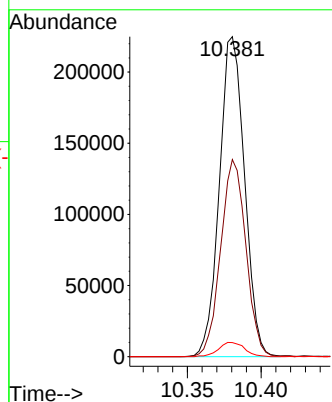
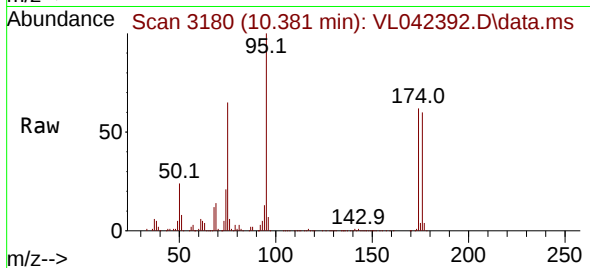




#68
1-Bromo-4-Fluorobenzene
Concen: 9.999 ppbv
RT: 10.381 min Scan# 3179
Delta R.T. 0.004 min
Lab File: VL042392.D
Acq: 18 Apr 2025 15:16

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025DL2

Tgt Ion: 95 Resp: 267080
Ion Ratio Lower Upper
95 100
174 61.9 48.5 72.7
175 4.6 3.7 5.5



#74
1,2,4-Trimethylbenzene
Concen: 0.052 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.000 min
Lab File: VL042392.D
Acq: 18 Apr 2025 15:16

Tgt Ion: 105 Resp: 3442
Ion Ratio Lower Upper
105 100
120 53.3 38.1 57.1
91 21.6 48.8 73.2#
77 17.1 19.0 28.4#

