

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
 Data File : VL042413.D
 Acq On : 21 Apr 2025 20:18
 Operator : SY/MD
 Sample : QC041725 CA 27806
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC041725 CA 27806

Quant Time: Apr 22 02:58:40 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)

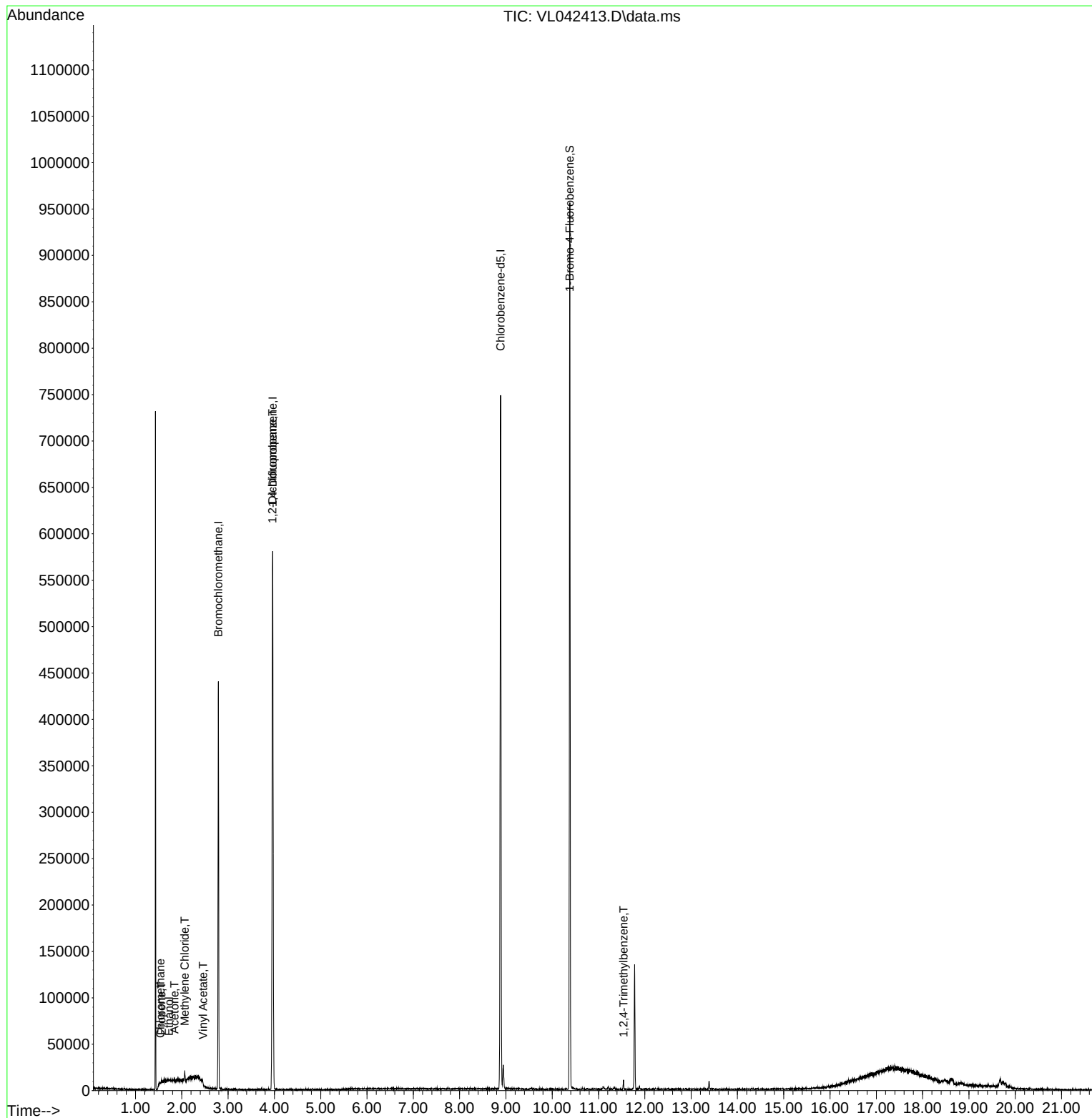
Internal Standards						
1) Bromochloromethane	2.790	49	114661	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	324902	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	277042	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	241442	10.606	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 106.100%	
Target Compounds						
					Qvalue	
4) Chloromethane	1.534	50	263	0.033	ppbv #	77
9) Propene	1.560	41	725	0.083	ppbv	93
13) Ethanol	1.725	45	223	0.160	ppbv #	24
15) Acetone	1.839	43	2114	0.113	ppbv #	87
20) Methylene Chloride	2.065	84	1372	0.187	ppbv #	82
23) Vinyl Acetate	2.460	43	508	0.067	ppbv #	1
39) 1,2-Dichloropropane	3.959	63	92507	7.084	ppbv #	23
74) 1,2,4-Trimethylbenzene	11.542	105	3338	0.059	ppbv #	59

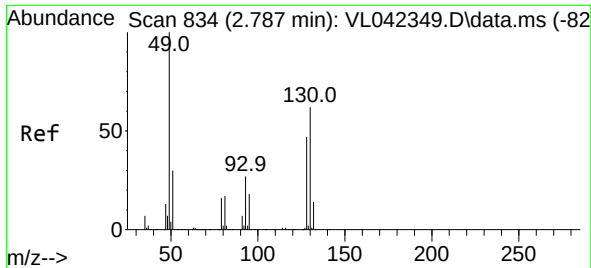
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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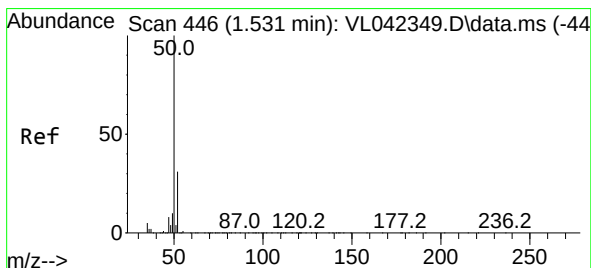
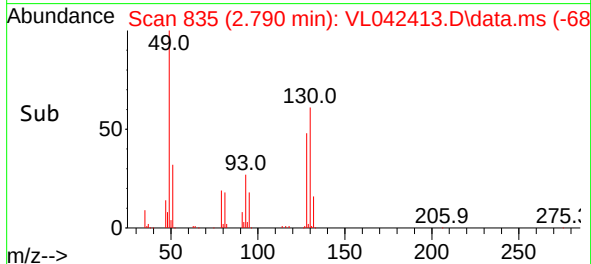
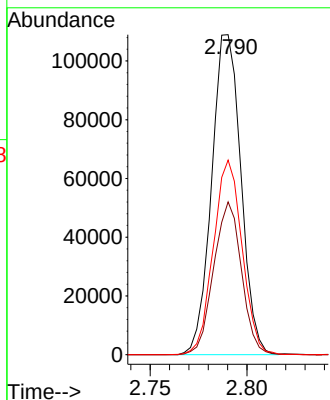
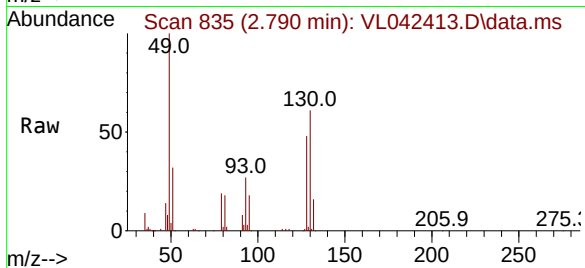




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042413.D
Acq: 21 Apr 2025 20:18

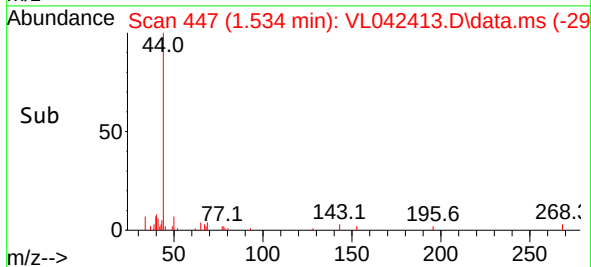
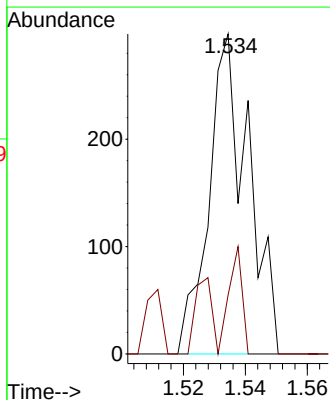
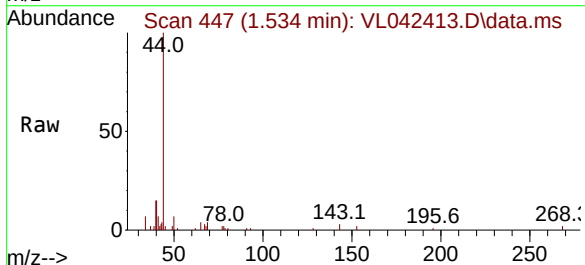
Instrument :
MSVOA_L
ClientSampleId :
QC041725 CA 27806

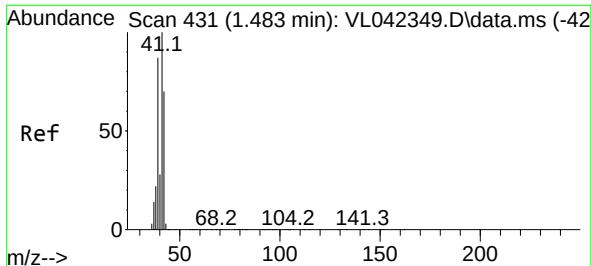
Tgt Ion: 49 Resp: 114661
Ion Ratio Lower Upper
49 100
128 45.4 22.8 68.4
130 59.7 29.3 88.0



#4
Chloromethane
Concen: 0.033 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042413.D
Acq: 21 Apr 2025 20:18

Tgt Ion: 50 Resp: 263
Ion Ratio Lower Upper
50 100
52 18.5 24.7 37.1#





#9

Propene

Concen: 0.083 ppbv

RT: 1.560 min Scan# 41

Delta R.T. 0.078 min

Lab File: VL042413.D

Acq: 21 Apr 2025 20:18

Instrument :

MSVOA_L

ClientSampleId :

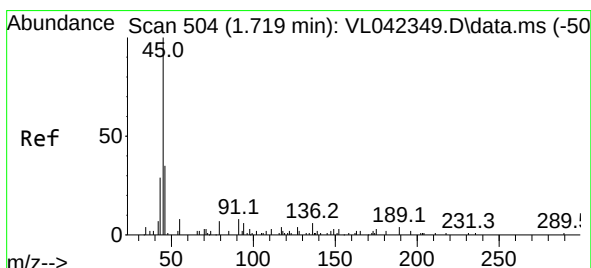
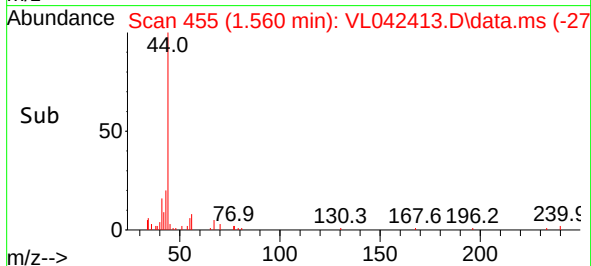
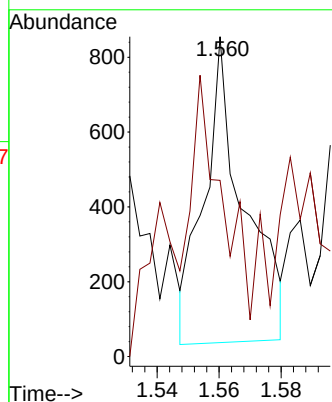
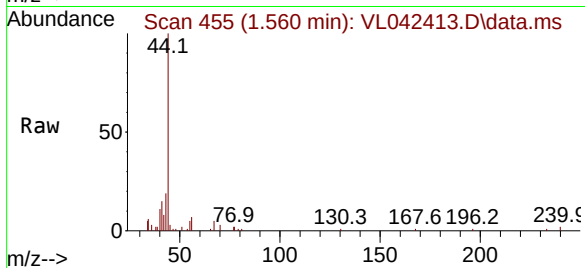
QC041725 CA 27806

Tgt Ion: 41 Resp: 725

Ion Ratio Lower Upper

41 100

42 64.3 56.2 84.4



#13

Ethanol

Concen: 0.160 ppbv

RT: 1.725 min Scan# 506

Delta R.T. 0.006 min

Lab File: VL042413.D

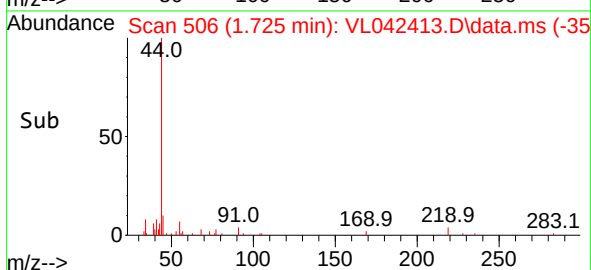
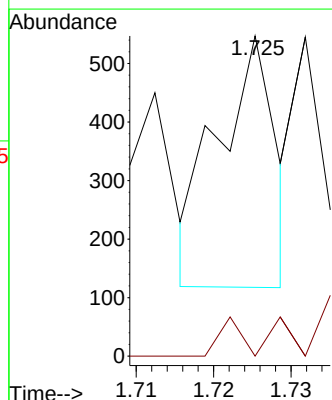
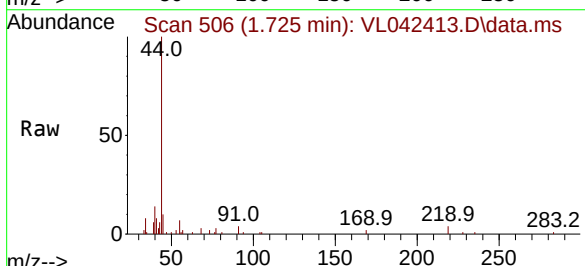
Acq: 21 Apr 2025 20:18

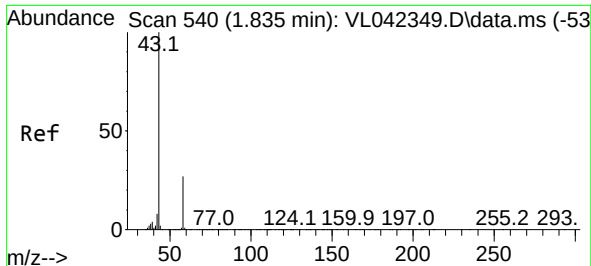
Tgt Ion: 45 Resp: 223

Ion Ratio Lower Upper

45 100

46 0.0 21.9 87.7#





#15

Acetone

Concen: 0.113 ppbv

RT: 1.839 min Scan# 540

Delta R.T. 0.003 min

Lab File: VL042413.D

Acq: 21 Apr 2025 20:18

Instrument :

MSVOA_1

ClientSampleId :

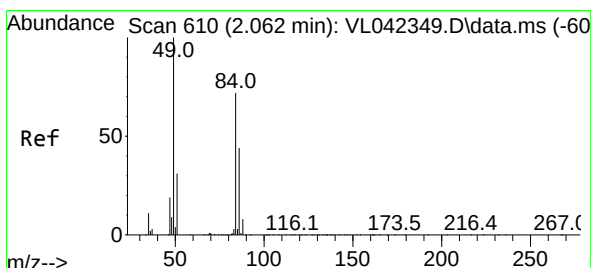
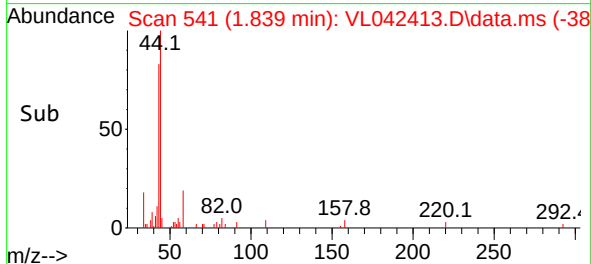
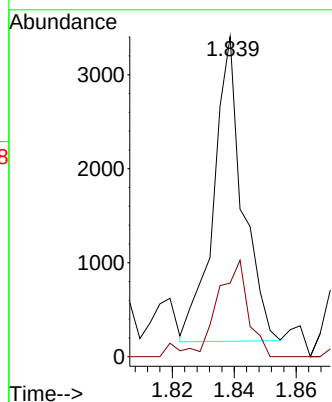
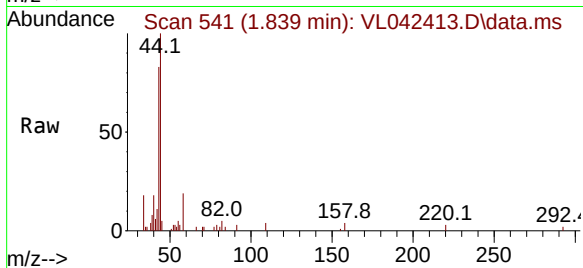
QC041725 CA 27806

Tgt Ion: 43 Resp: 2114

Ion Ratio Lower Upper

43 100

58 34.9 22.4 33.6#



#20

Methylene Chloride

Concen: 0.187 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.003 min

Lab File: VL042413.D

Acq: 21 Apr 2025 20:18

Tgt Ion: 84 Resp: 1372

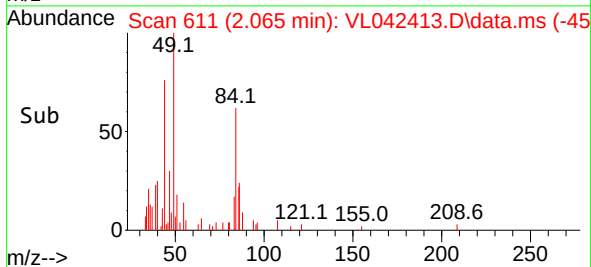
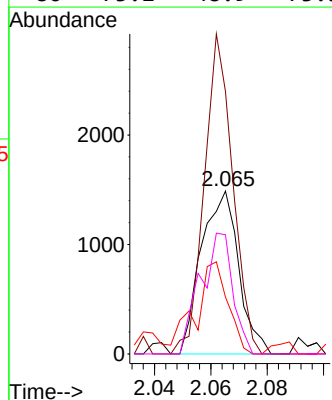
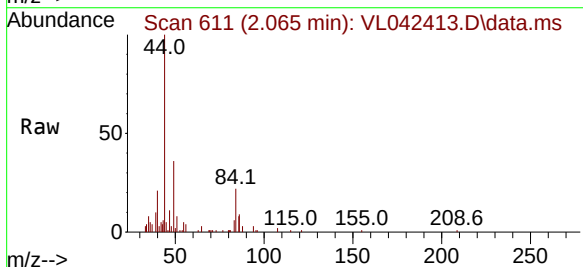
Ion Ratio Lower Upper

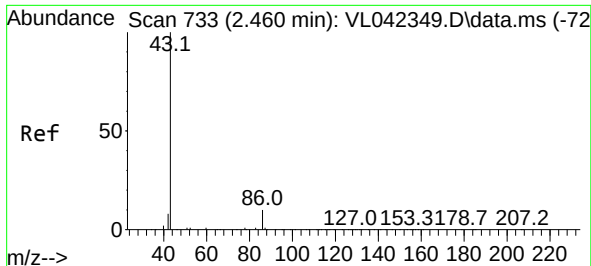
84 100

49 161.1 111.6 167.4

51 29.0 35.1 52.7#

86 73.2 48.9 73.3

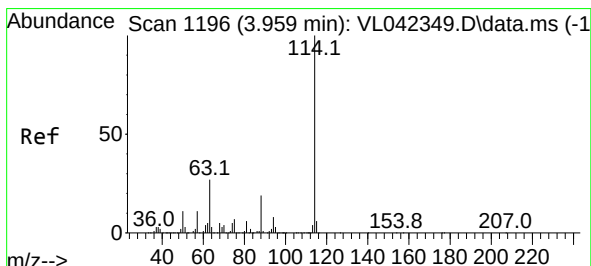
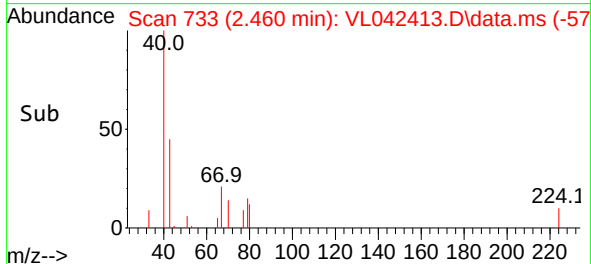
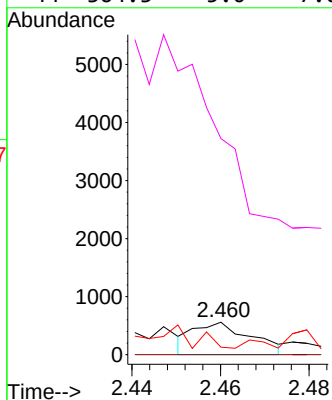
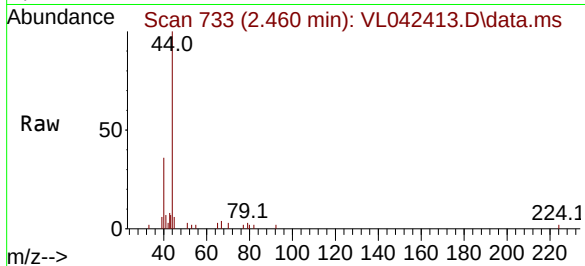




#23
 Vinyl Acetate
 Concen: 0.067 ppbv
 RT: 2.460 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VL042413.D
 Acq: 21 Apr 2025 20:18

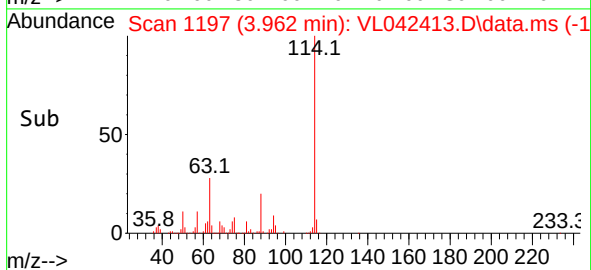
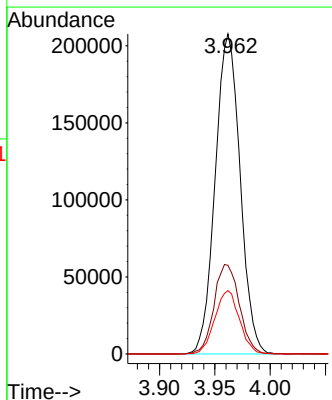
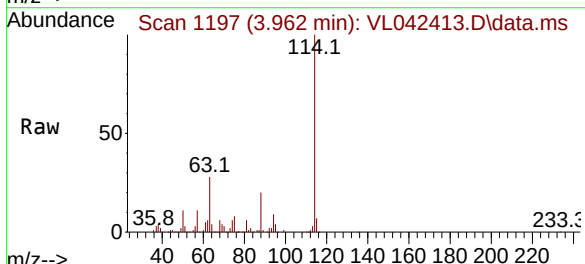
Instrument :
 MSVOA_1
 ClientSampleId :
 QC041725 CA 27806

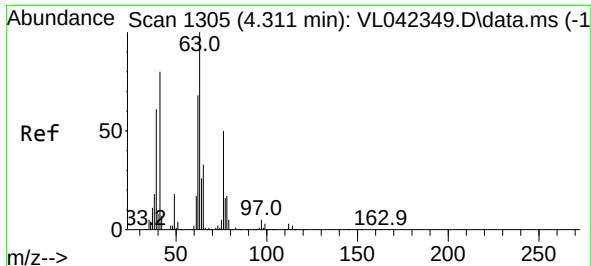
Tgt Ion: 43	Resp: 508
Ion Ratio	Lower Upper
43 100	
86 0.0	6.5 9.7#
42 36.0	7.8 11.8#
44 364.3	5.0 7.6#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.962 min Scan# 1197
 Delta R.T. 0.003 min
 Lab File: VL042413.D
 Acq: 21 Apr 2025 20:18

Tgt Ion:114	Resp:	324902	
Ion	Ratio	Lower	Upper
114	100		
63	28.5	21.8	32.6
88	19.5	15.5	23.3





#39

1,2-Dichloropropane

Concen: 7.084 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.353 min

Lab File: VL042413.D

Acq: 21 Apr 2025 20:18

Instrument :

MSVOA_L

ClientSampleId :

QC041725 CA 27806

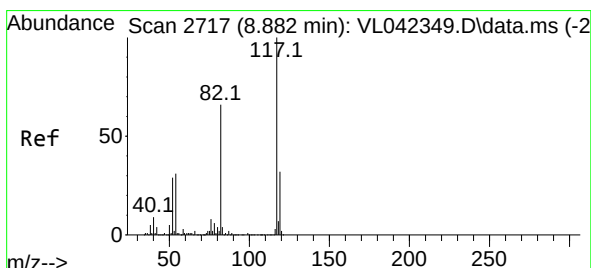
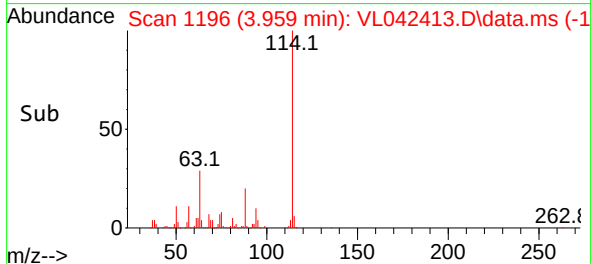
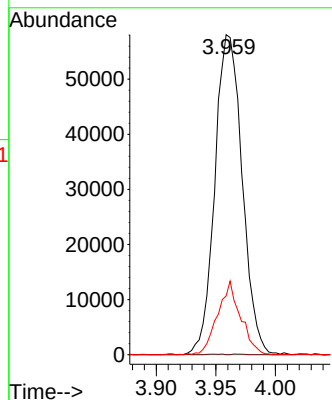
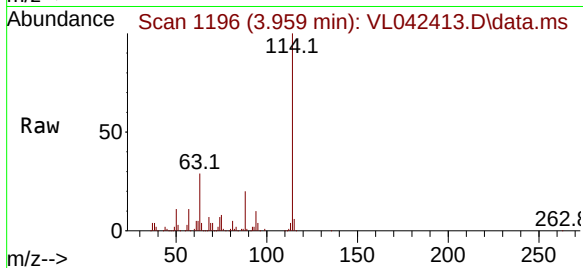
Tgt Ion: 63 Resp: 92507

Ion Ratio Lower Upper

63 100

41 0.0 64.2 96.2#

62 18.4 54.3 81.5#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2718

Delta R.T. 0.003 min

Lab File: VL042413.D

Acq: 21 Apr 2025 20:18

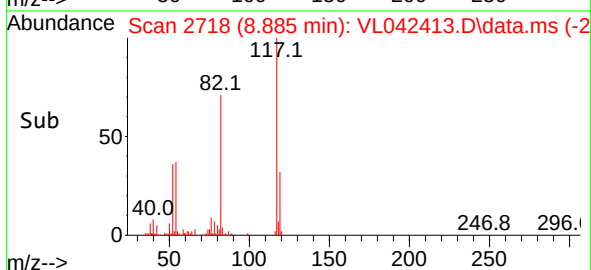
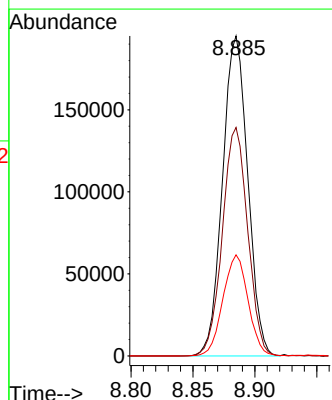
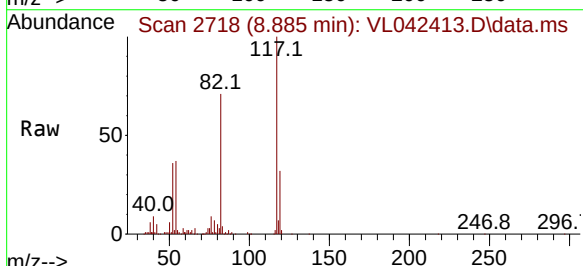
Tgt Ion: 117 Resp: 277042

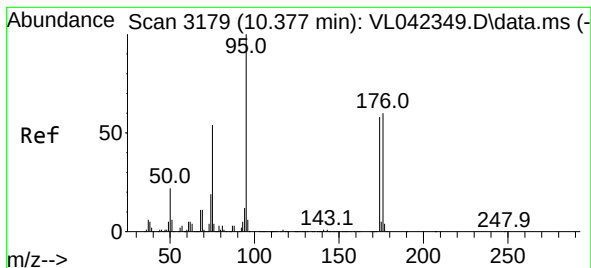
Ion Ratio Lower Upper

117 100

82 71.8 57.8 86.6

119 31.6 25.2 37.8

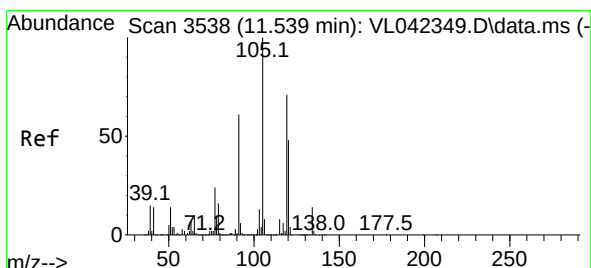
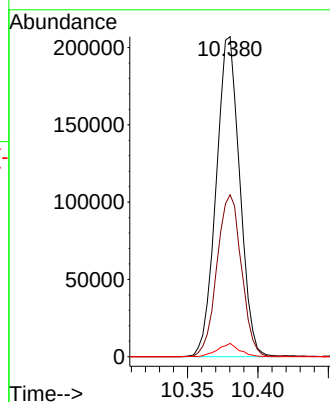
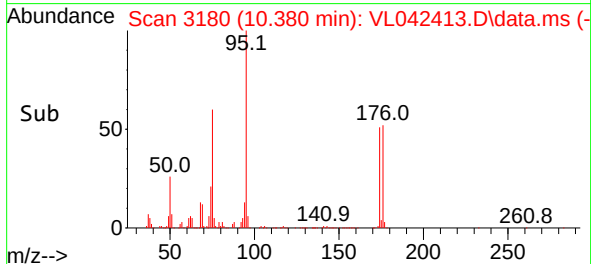
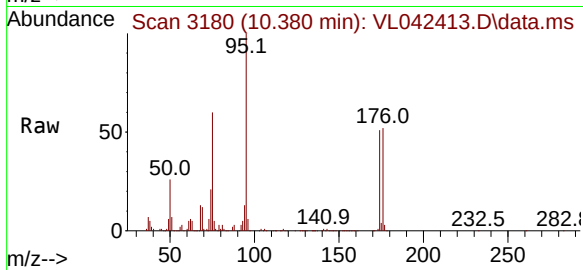




#68
1-Bromo-4-Fluorobenzene
Concen: 10.606 ppbv
RT: 10.380 min Scan# 3179
Delta R.T. 0.003 min
Lab File: VL042413.D
Acq: 21 Apr 2025 20:18

Instrument :
MSVOA_L
ClientSampleId :
QC041725 CA 27806

Tgt Ion: 95 Resp: 241442
Ion Ratio Lower Upper
95 100
174 52.6 48.5 72.7
175 3.9 3.7 5.5



#74
1,2,4-Trimethylbenzene
Concen: 0.059 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.003 min
Lab File: VL042413.D
Acq: 21 Apr 2025 20:18

Tgt Ion: 105 Resp: 3338
Ion Ratio Lower Upper
105 100
120 30.6 38.1 57.1#
91 8.8 48.8 73.2#
77 23.8 19.0 28.4

