

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
 Data File : VL042399.D
 Acq On : 21 Apr 2025 11:36
 Operator : SY/MD
 Sample : QC041625 CAN 10329
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC041625 CAN 10329

Quant Time: Apr 22 02:52:23 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)

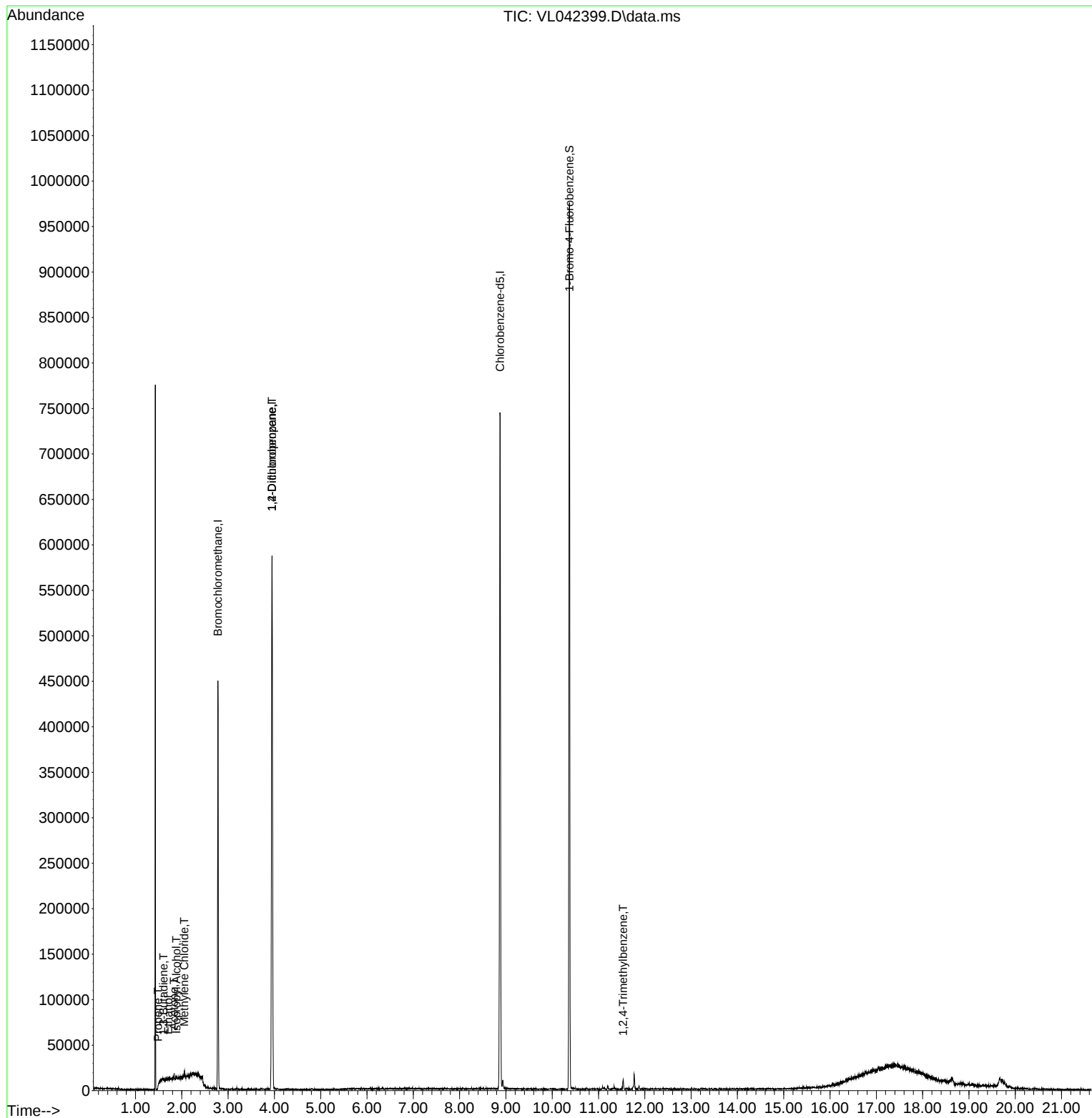
Internal Standards							
1) Bromochloromethane		2.781	49	116817	10.000	ppbv	0.00
33) 1,4-Difluorobenzene		3.949	114	332871	10.000	ppbv	0.00
55) Chlorobenzene-d5		8.875	117	284301	10.000	ppbv	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		10.371	95	248070	10.618	ppbv	0.00
Spiked Amount		10.000	Range 65 - 135		Recovery	= 106.200%	
Target Compounds							
							Qvalue
9) Propene		1.489	41	407	0.045	ppbv	99
13) Ethanol		1.706	45	272	0.191	ppbv #	24
15) Acetone		1.832	43	3451	0.180	ppbv	92
16) 1,3-Butadiene		1.606	39	529	0.058	ppbv	98
19) Isopropyl Alcohol		1.881	45	492	0.046	ppbv #	33
20) Methylene Chloride		2.056	84	1162	0.155	ppbv #	81
39) 1,2-Dichloropropane		3.949	63	90381	6.755	ppbv #	22
74) 1,2,4-Trimethylbenzene		11.529	105	3967	0.069	ppbv #	68

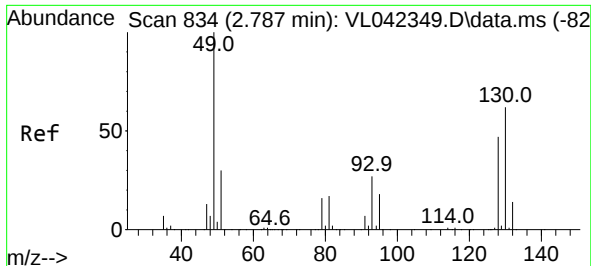
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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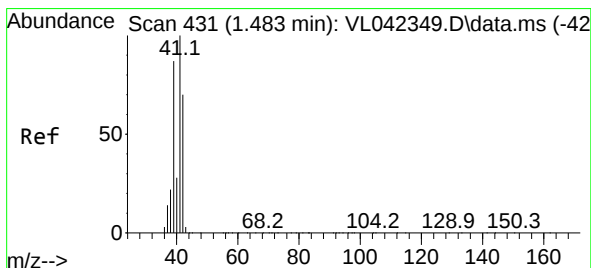
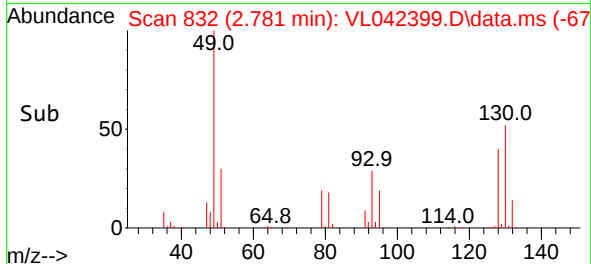
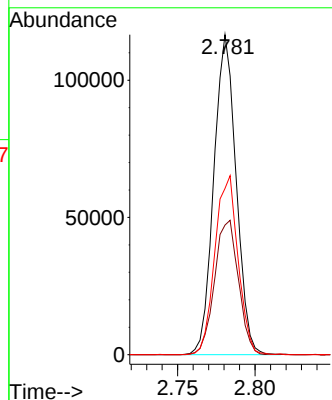
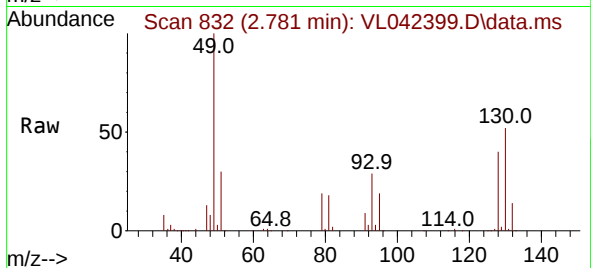




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 81
Delta R.T. -0.006 min
Lab File: VL042399.D
Acq: 21 Apr 2025 11:36

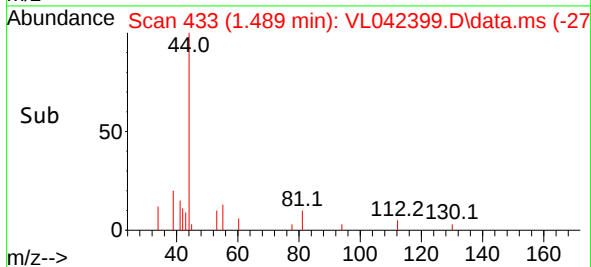
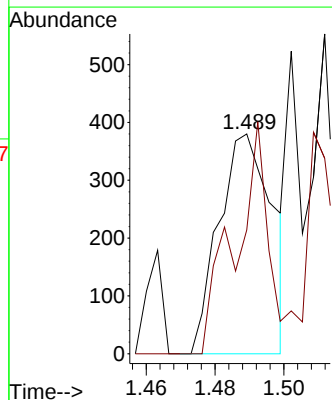
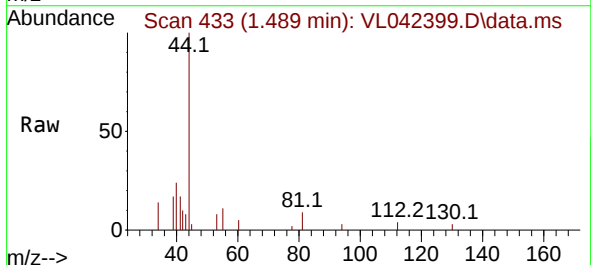
Instrument :
MSVOA_L
ClientSampleId :
QC041625 CAN 10329

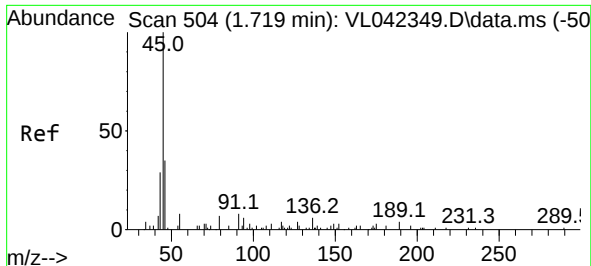
Tgt Ion: 49 Resp: 116817
Ion Ratio Lower Upper
49 100
128 45.2 22.8 68.4
130 58.0 29.3 88.0



#9
Propene
Concen: 0.045 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.007 min
Lab File: VL042399.D
Acq: 21 Apr 2025 11:36

Tgt Ion: 41 Resp: 407
Ion Ratio Lower Upper
41 100
42 71.3 56.2 84.4

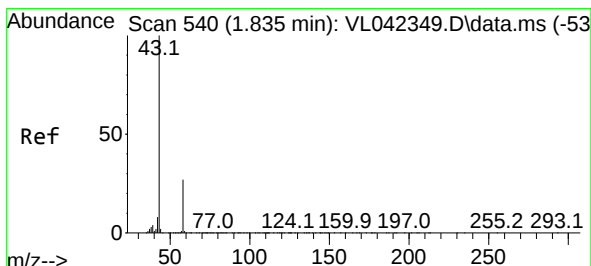
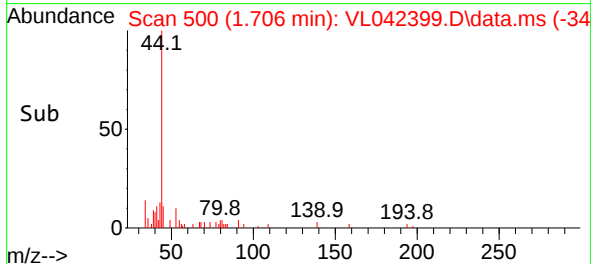
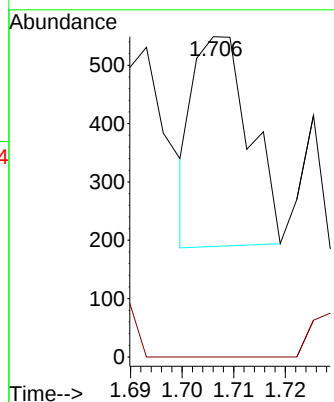
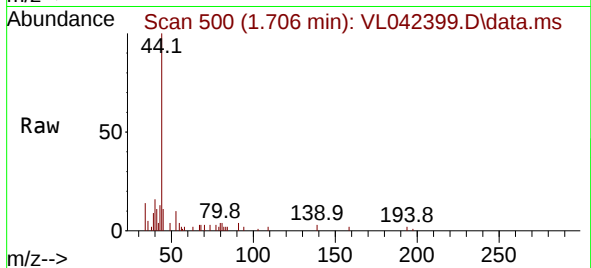




#13
Ethanol
Concen: 0.191 ppbv
RT: 1.706 min Scan# 504
Delta R.T. -0.013 min
Lab File: VL042399.D
Acq: 21 Apr 2025 11:36

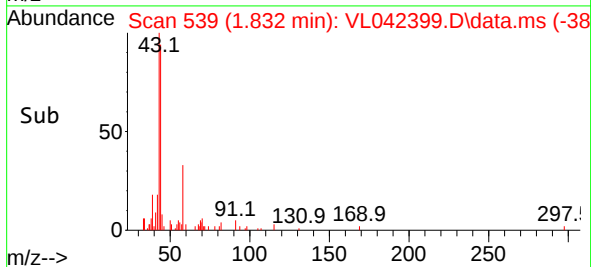
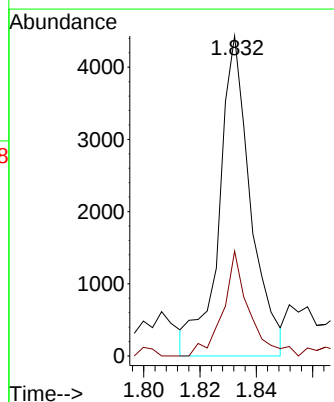
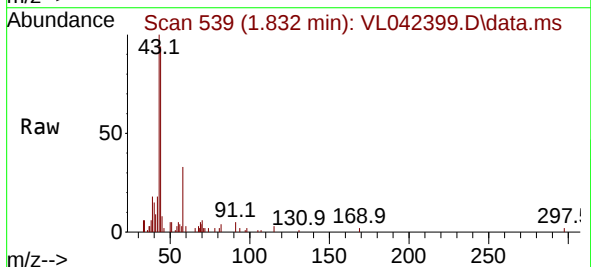
Instrument :
MSVOA_1
ClientSampleId :
QC041625 CAN 10329

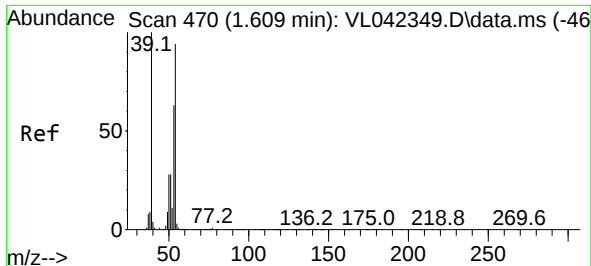
Tgt Ion: 45 Resp: 272
Ion Ratio Lower Upper
45 100
46 0.0 21.9 87.7#



#15
Acetone
Concen: 0.180 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.003 min
Lab File: VL042399.D
Acq: 21 Apr 2025 11:36

Tgt Ion: 43 Resp: 3451
Ion Ratio Lower Upper
43 100
58 32.0 22.4 33.6





#16

1,3-Butadiene

Concen: 0.058 ppbv

RT: 1.606 min Scan# 4

Delta R.T. -0.003 min

Lab File: VL042399.D

Acq: 21 Apr 2025 11:36

Instrument :

MSVOA_L

ClientSampleId :

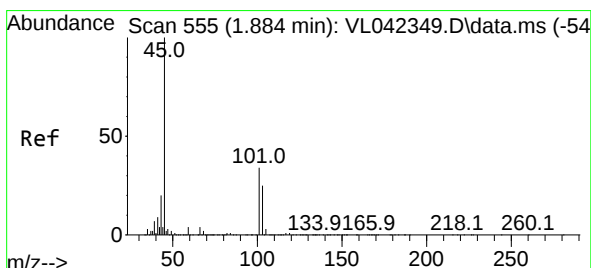
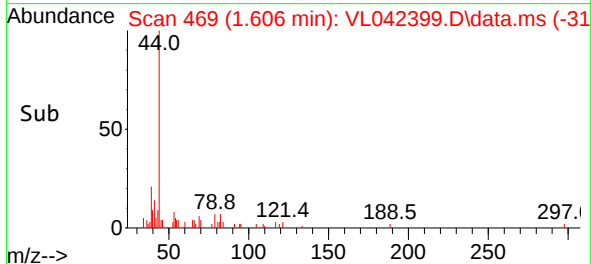
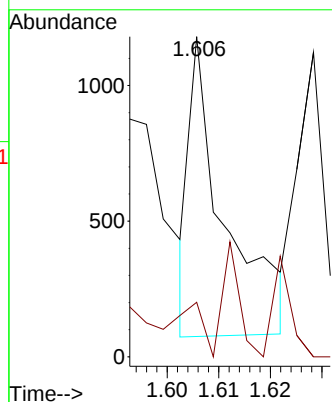
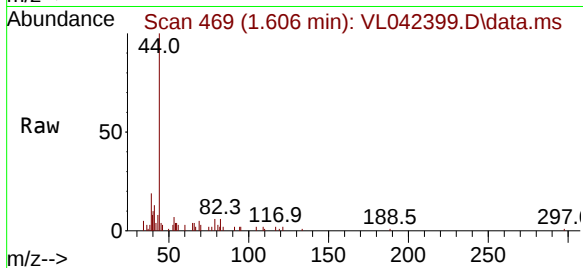
QC041625 CAN 10329

Tgt Ion: 39 Resp: 529

Ion Ratio Lower Upper

39 100

54 79.4 64.9 97.3



#19

Isopropyl Alcohol

Concen: 0.046 ppbv

RT: 1.881 min Scan# 554

Delta R.T. -0.003 min

Lab File: VL042399.D

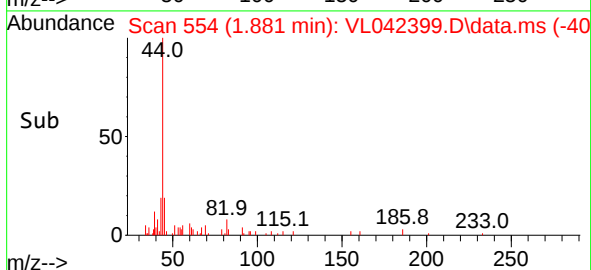
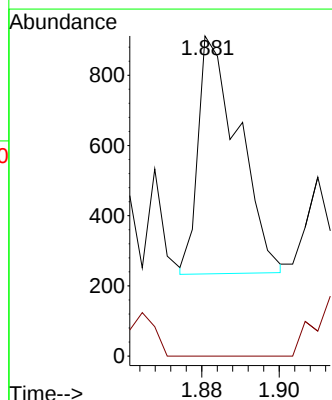
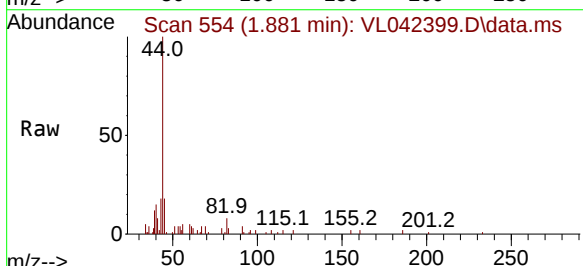
Acq: 21 Apr 2025 11:36

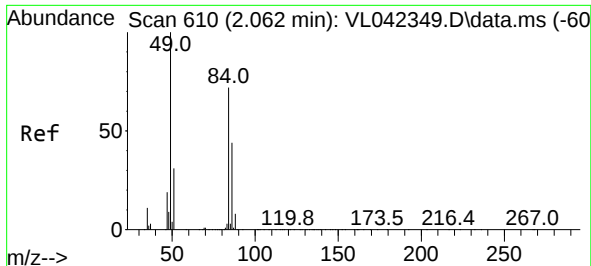
Tgt Ion: 45 Resp: 492

Ion Ratio Lower Upper

45 100

58 0.0 34.5 51.7#

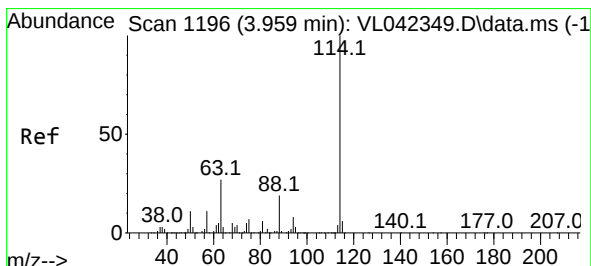
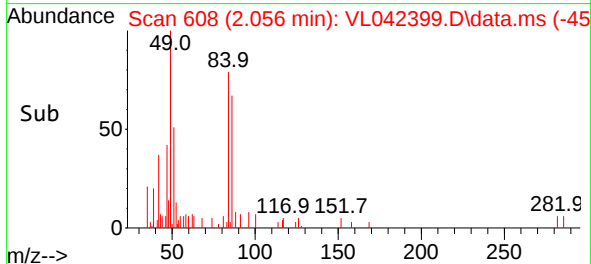
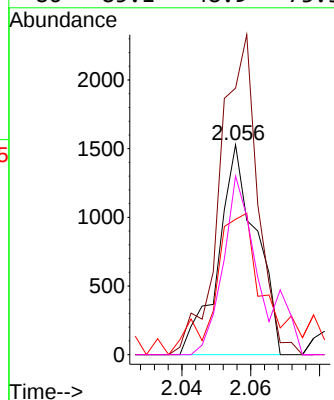
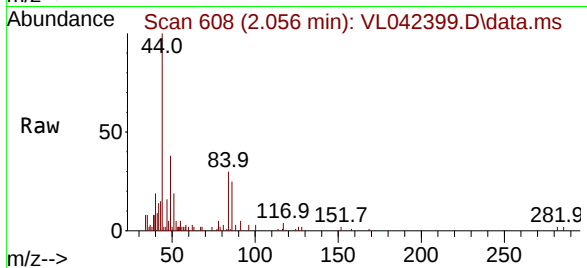




#20
Methylene Chloride
Concen: 0.155 ppbv
RT: 2.056 min Scan# 610
Delta R.T. -0.006 min
Lab File: VL042399.D
Acq: 21 Apr 2025 11:36

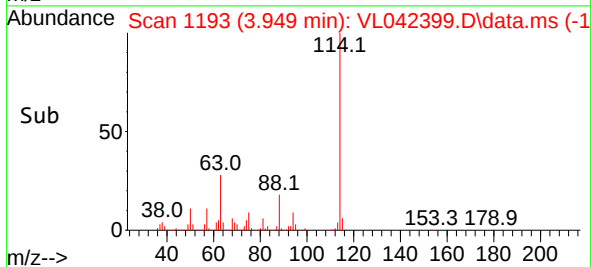
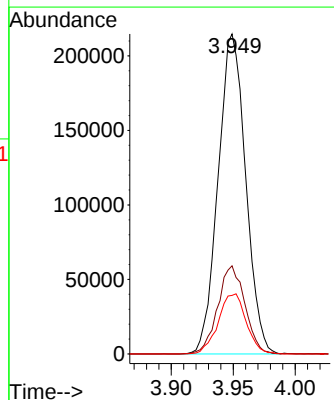
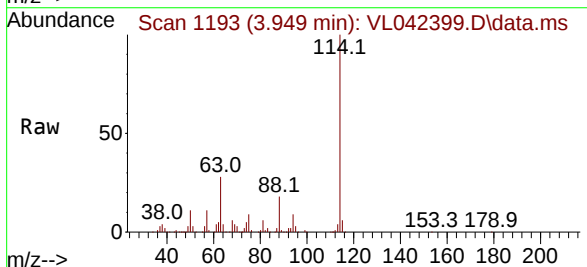
Instrument :
MSVOA_L
ClientSampleId :
QC041625 CAN 10329

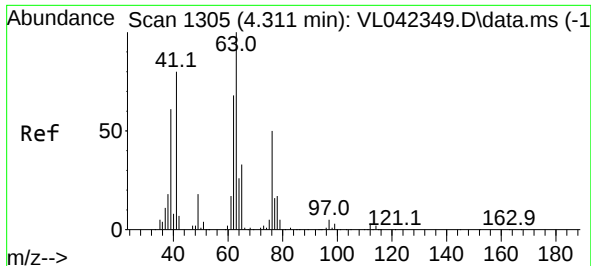
Tgt Ion:	84	Resp:	1162
Ion	Ratio	Lower	Upper
84	100		
49	123.4	111.6	167.4
51	57.4	35.1	52.7#
86	85.1	48.9	73.3#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.010 min
Lab File: VL042399.D
Acq: 21 Apr 2025 11:36

Tgt Ion:	114	Resp:	332871
Ion	Ratio	Lower	Upper
114	100		
63	27.2	21.8	32.6
88	19.1	15.5	23.3





#39

1,2-Dichloropropane

Concen: 6.755 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. -0.362 min

Lab File: VL042399.D

Acq: 21 Apr 2025 11:36

Instrument :

MSVOA_L

ClientSampleId :

QC041625 CAN 10329

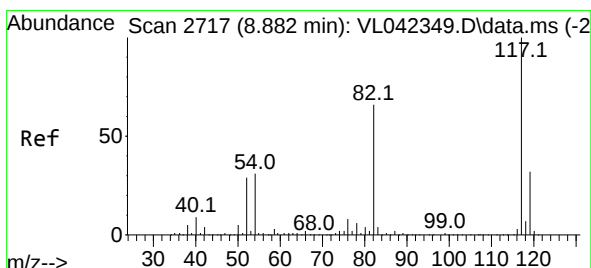
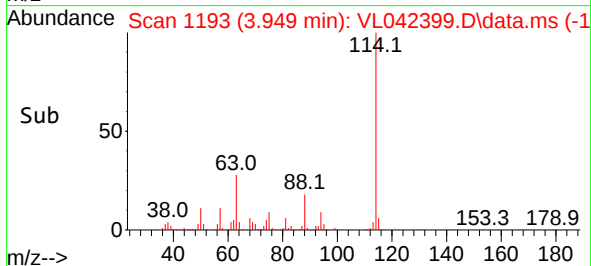
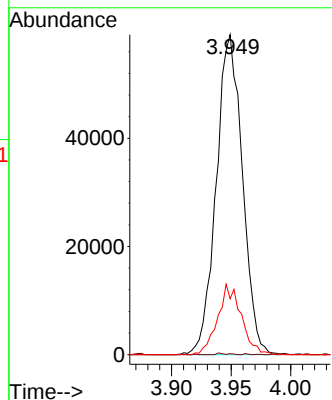
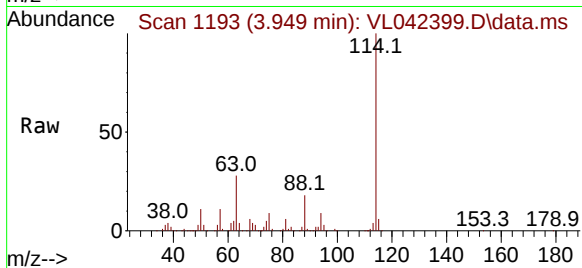
Tgt Ion: 63 Resp: 90381

Ion Ratio Lower Upper

63 100

41 0.1 64.2 96.2#

62 17.5 54.3 81.5#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 2715

Delta R.T. -0.006 min

Lab File: VL042399.D

Acq: 21 Apr 2025 11:36

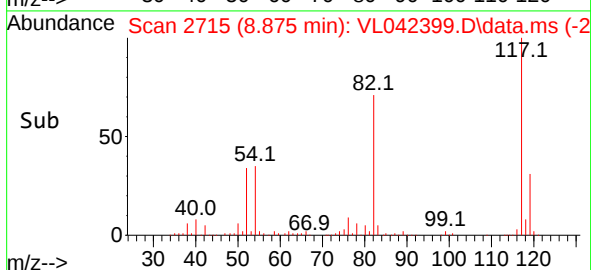
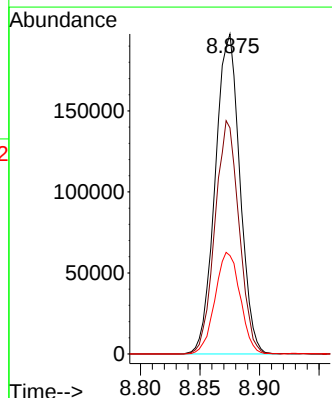
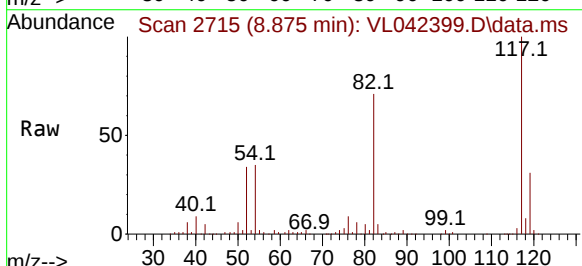
Tgt Ion: 117 Resp: 284301

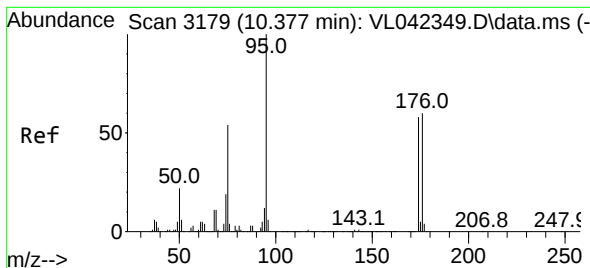
Ion Ratio Lower Upper

117 100

82 71.3 57.8 86.6

119 32.4 25.2 37.8

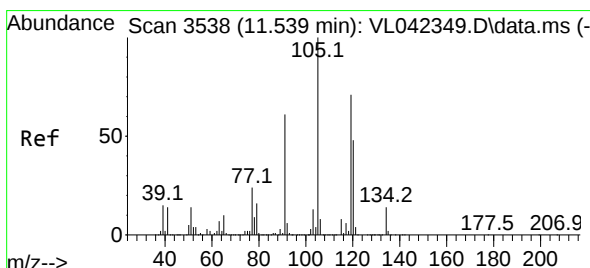
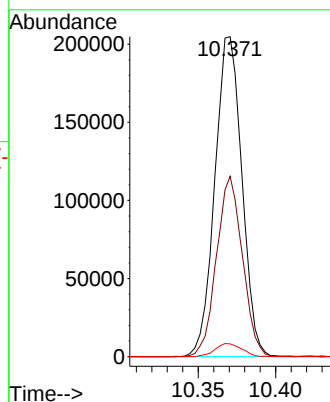
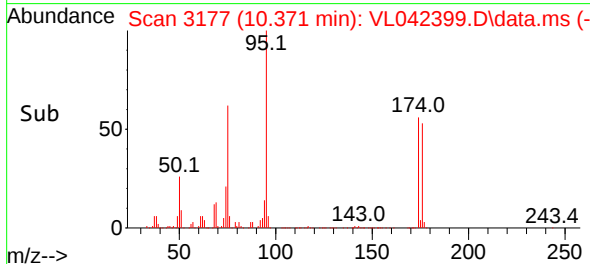
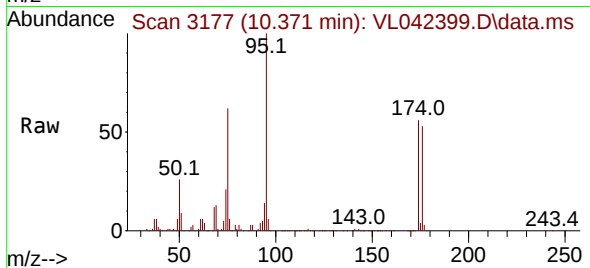




#68
1-Bromo-4-Fluorobenzene
Concen: 10.618 ppbv
RT: 10.371 min Scan# 3179
Delta R.T. -0.006 min
Lab File: VL042399.D
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QC041625 CAN 10329

Tgt Ion: 95 Resp: 248070
Ion Ratio Lower Upper
95 100
174 54.2 48.5 72.7
175 4.1 3.7 5.5



#74
1,2,4-Trimethylbenzene
Concen: 0.069 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.010 min
Lab File: VL042399.D
Acq: 21 Apr 2025 11:36

Tgt Ion: 105 Resp: 3967
Ion Ratio Lower Upper
105 100
120 56.0 38.1 57.1
91 16.4 48.8 73.2#
77 21.9 19.0 28.4

