

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041825\
 Data File : VL042384.D
 Acq On : 18 Apr 2025 10:54
 Operator : SY/MD
 Sample : VL0418ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0418ABL01

Quant Time: Apr 18 22:56:14 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)

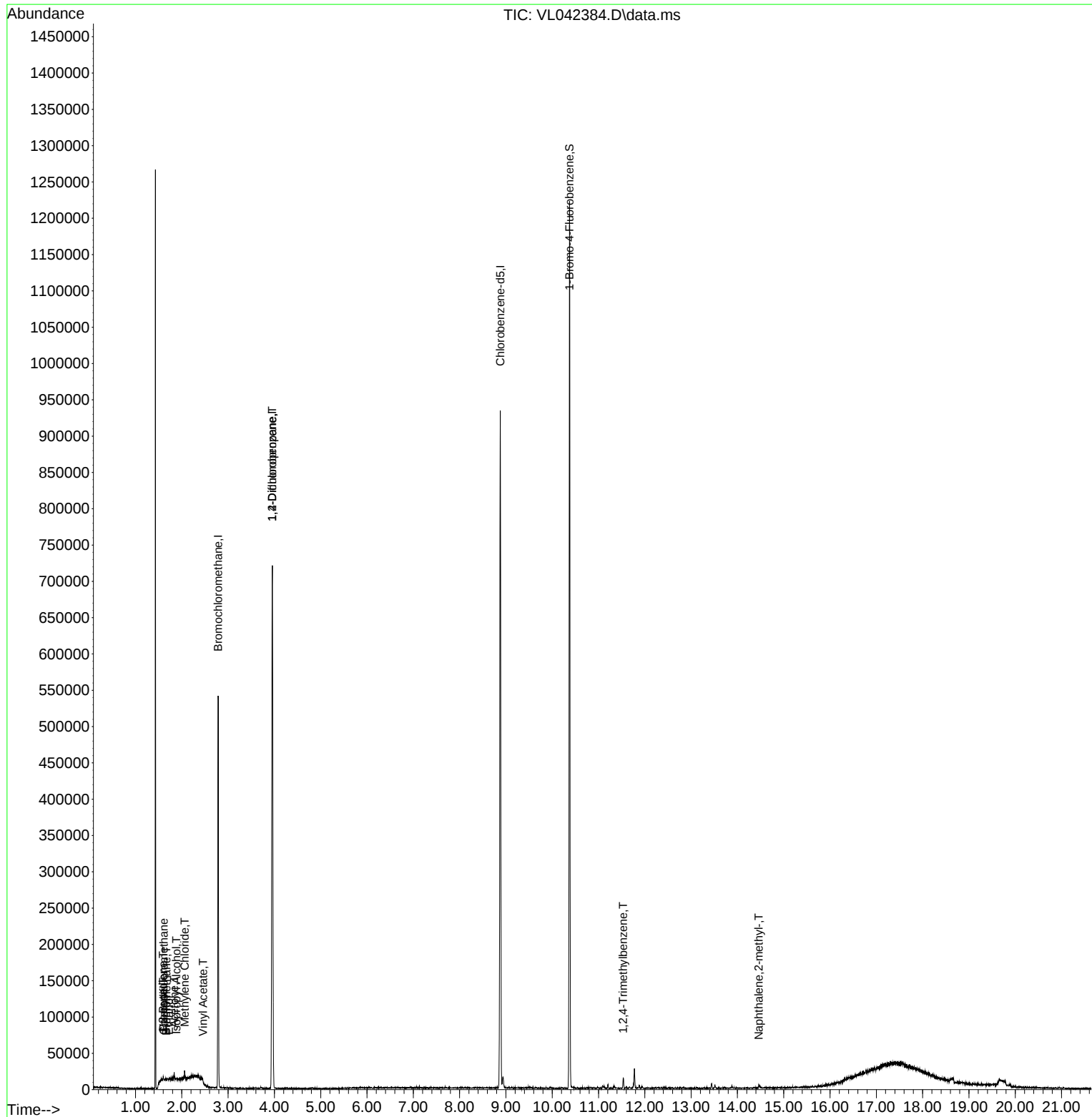
Internal Standards						
1) Bromochloromethane	2.784	49	137116	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	425910	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	379163	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	304890	9.785	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.900%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	1.609	51	743	0.032	ppbv #	1
6) Bromomethane	1.667	94	161	0.036	ppbv	93
9) Propene	1.599	41	1111	0.106	ppbv	99
13) Ethanol	1.722	45	221	0.132	ppbv #	24
15) Acetone	1.835	43	3765	0.168	ppbv #	86
16) 1,3-Butadiene	1.596	39	1118	0.104	ppbv #	53
19) Isopropyl Alcohol	1.884	45	691	0.055	ppbv #	78
20) Methylene Chloride	2.062	84	1553	0.177	ppbv #	79
23) Vinyl Acetate	2.457	43	543	0.060	ppbv #	1
39) 1,2-Dichloropropane	3.955	63	108399	6.332	ppbv #	22
74) 1,2,4-Trimethylbenzene	11.532	105	5155	0.067	ppbv #	68
80) Naphthalene,2-methyl-	14.462	142	1710	0.033	ppbv #	92

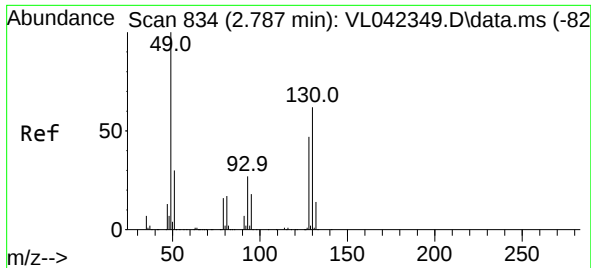
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VL042384.D
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Sample : VL0418ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABL01

Quant Time: Apr 18 22:56:14 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

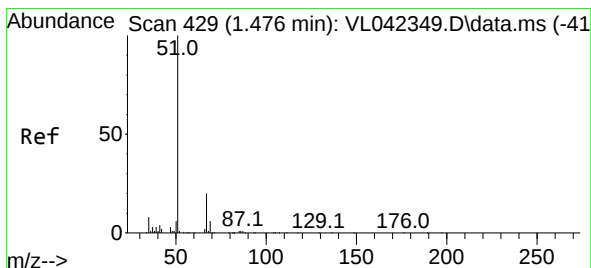
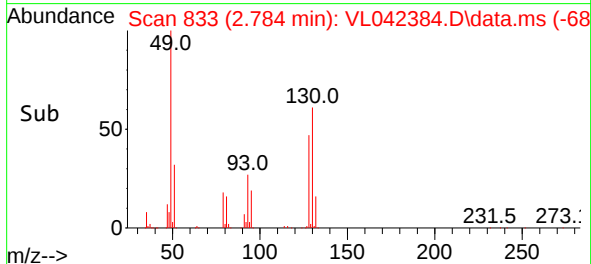
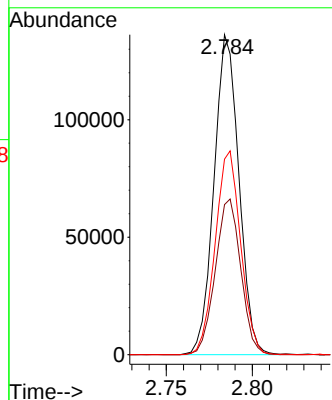
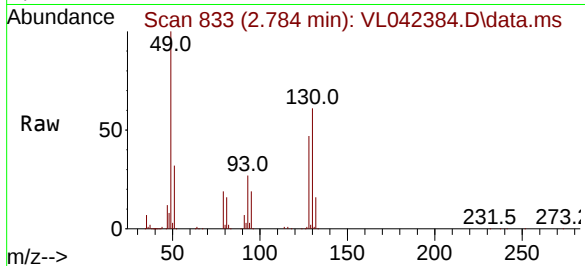




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042384.D
Acq: 18 Apr 2025 10:54

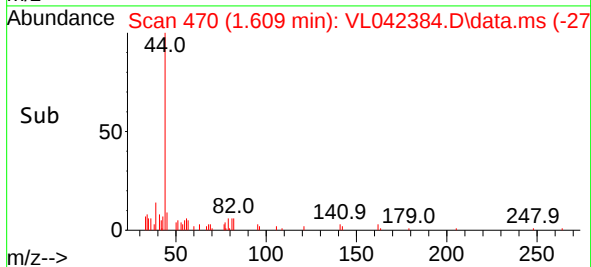
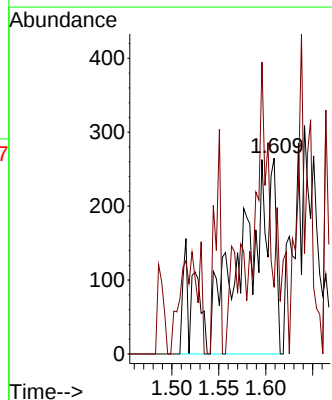
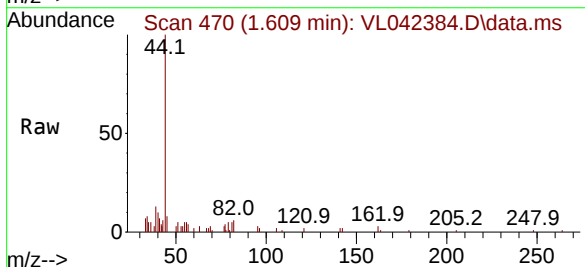
Instrument :
MSVOA_L
ClientSampleId :
VL0418ABL01

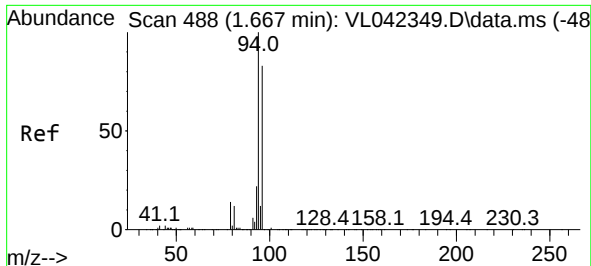
Tgt Ion: 49 Resp: 137116
Ion Ratio Lower Upper
49 100
128 49.8 22.8 68.4
130 65.2 29.3 88.0



#3
Chlorodifluoromethane
Concen: 0.032 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.133 min
Lab File: VL042384.D
Acq: 18 Apr 2025 10:54

Tgt Ion: 51 Resp: 743
Ion Ratio Lower Upper
51 100
67 98.7 16.2 24.4#

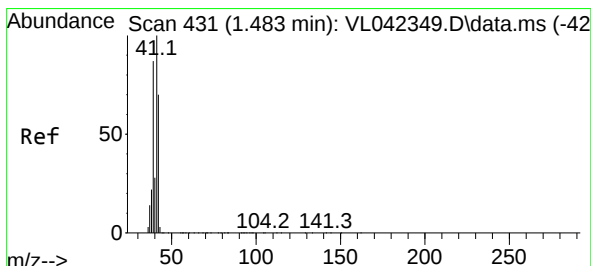
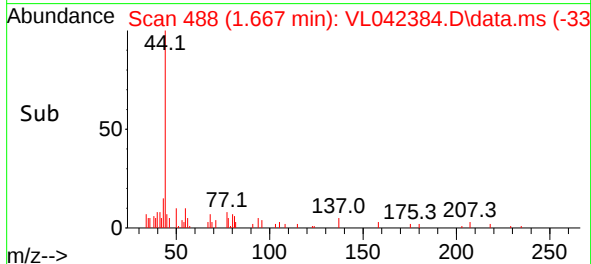
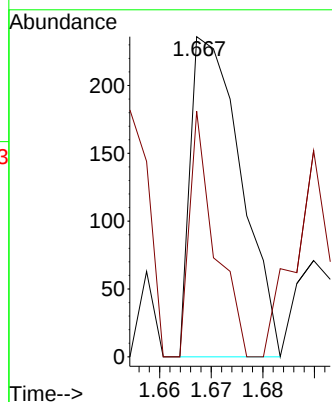
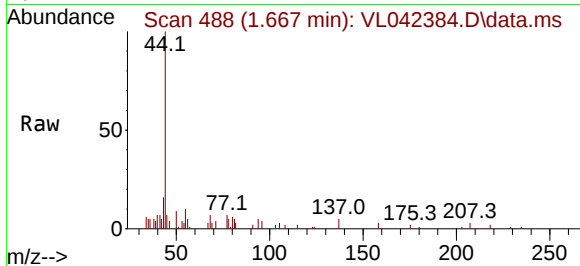




#6
Bromomethane
Concen: 0.036 ppbv
RT: 1.667 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042384.D
Acq: 18 Apr 2025 10:54

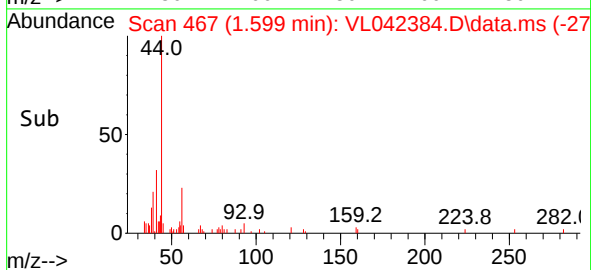
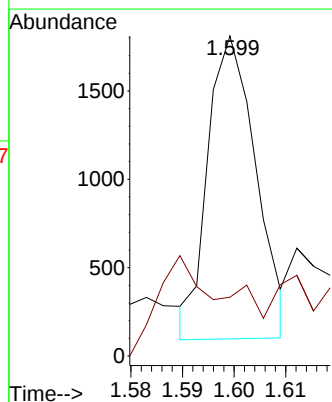
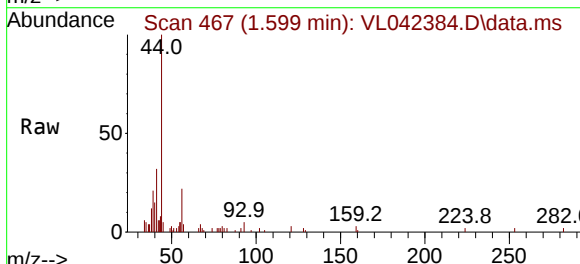
Instrument :
MSVOA_L
ClientSampleId :
VL0418ABL01

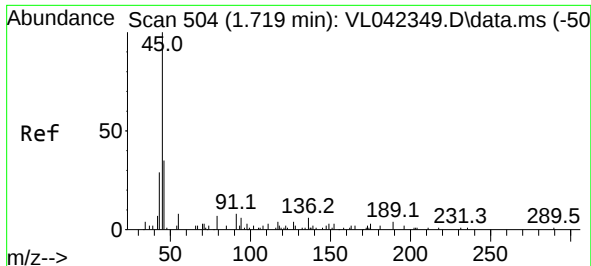
Tgt Ion: 94 Resp: 161
Ion Ratio Lower Upper
94 100
96 76.7 66.2 99.2



#9
Propene
Concen: 0.106 ppbv
RT: 1.599 min Scan# 467
Delta R.T. 0.117 min
Lab File: VL042384.D
Acq: 18 Apr 2025 10:54

Tgt Ion: 41 Resp: 1111
Ion Ratio Lower Upper
41 100
42 71.0 56.2 84.4

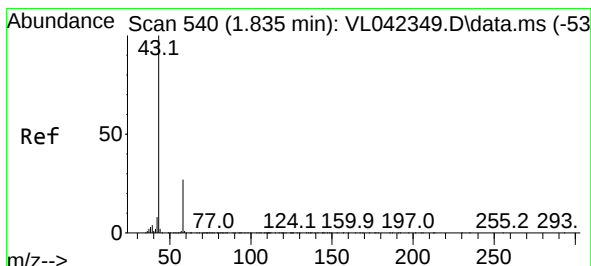
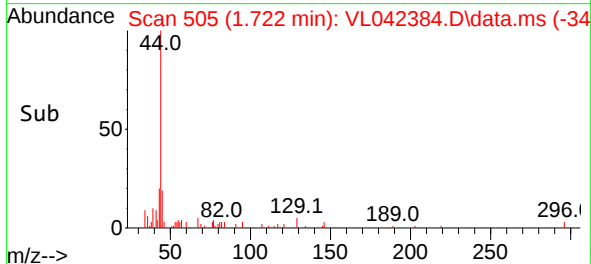
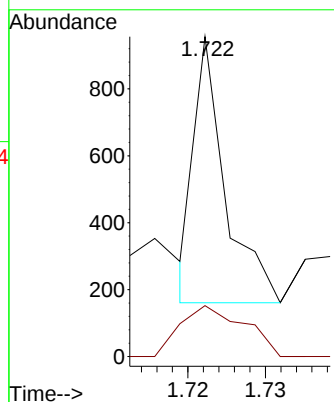
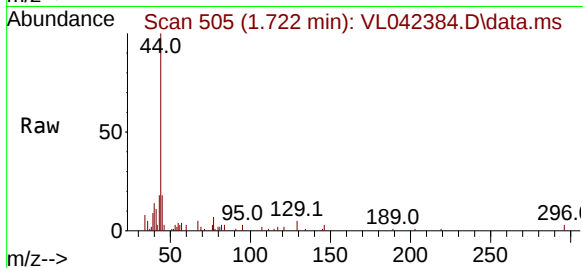




#13
 Ethanol
 Concen: 0.132 ppbv
 RT: 1.722 min Scan# 504
 Delta R.T. 0.003 min
 Lab File: VL042384.D
 Acq: 18 Apr 2025 10:54

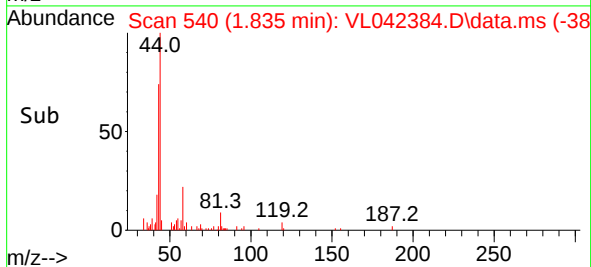
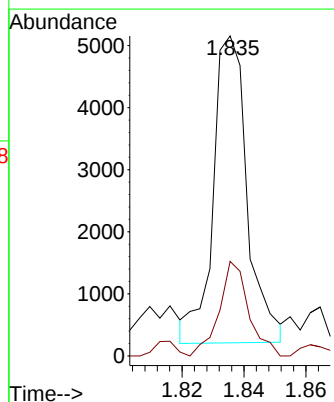
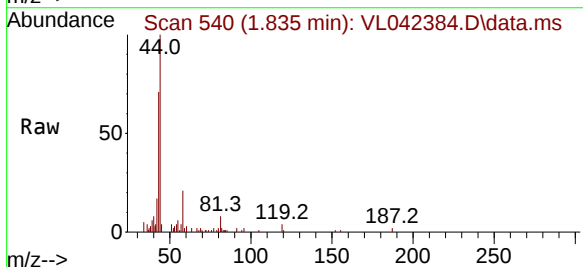
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0418ABL01

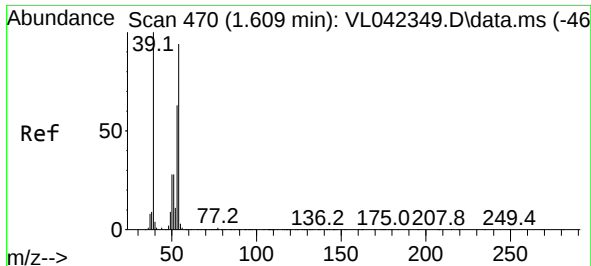
Tgt Ion: 45 Resp: 221
 Ion Ratio Lower Upper
 45 100
 46 0.0 21.9 87.7#



#15
 Acetone
 Concen: 0.168 ppbv
 RT: 1.835 min Scan# 540
 Delta R.T. 0.000 min
 Lab File: VL042384.D
 Acq: 18 Apr 2025 10:54

Tgt Ion: 43 Resp: 3765
 Ion Ratio Lower Upper
 43 100
 58 35.6 22.4 33.6#

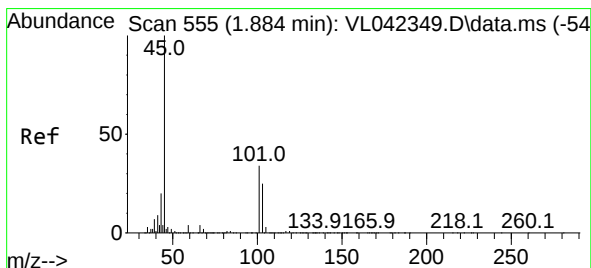
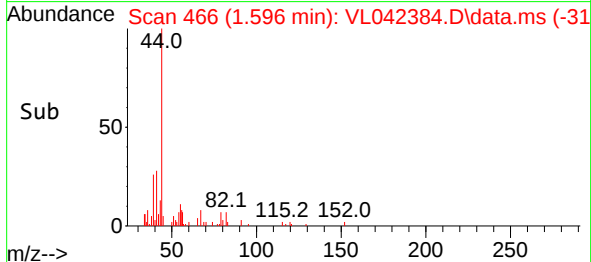
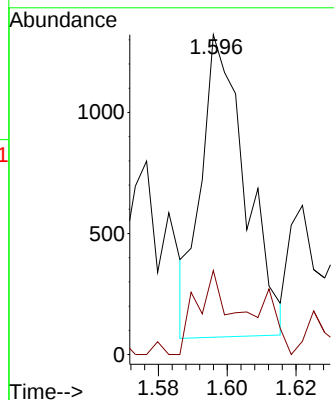
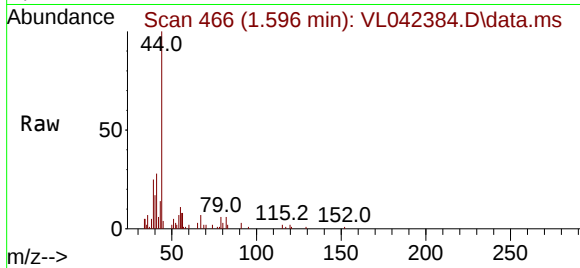




#16
1,3-Butadiene
Concen: 0.104 ppbv
RT: 1.596 min Scan# 411
Delta R.T. -0.013 min
Lab File: VL042384.D
Acq: 18 Apr 2025 10:54

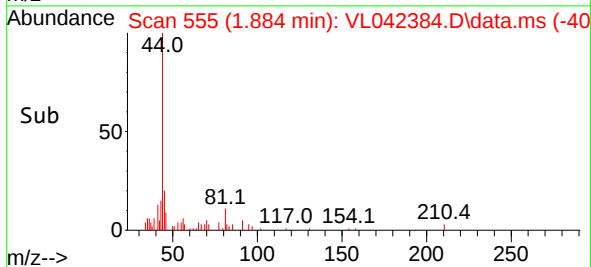
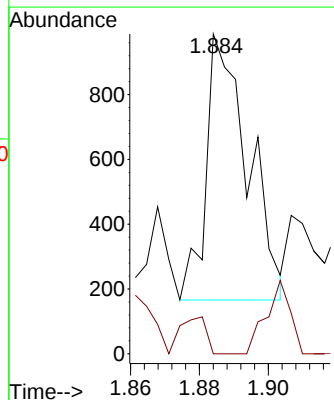
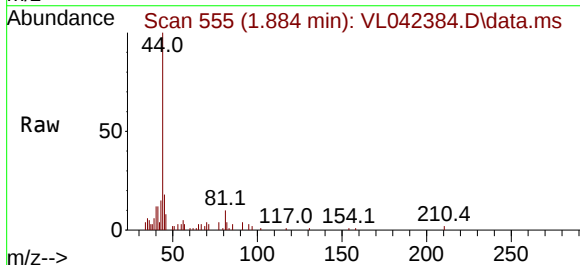
Instrument :
MSVOA_L
ClientSampleId :
VL0418ABL01

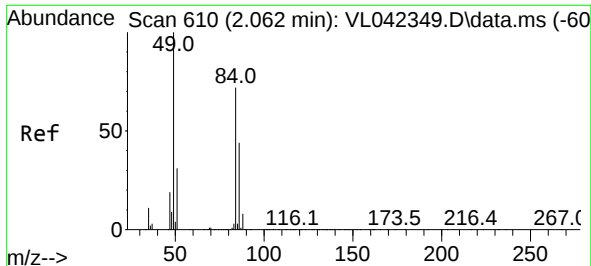
Tgt Ion: 39 Resp: 1118
Ion Ratio Lower Upper
39 100
54 39.2 64.9 97.3#



#19
Isopropyl Alcohol
Concen: 0.055 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.000 min
Lab File: VL042384.D
Acq: 18 Apr 2025 10:54

Tgt Ion: 45 Resp: 691
Ion Ratio Lower Upper
45 100
58 28.8 34.5 51.7#

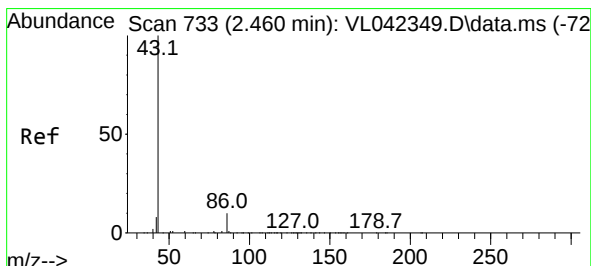
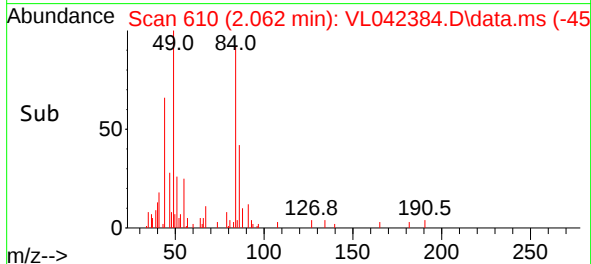
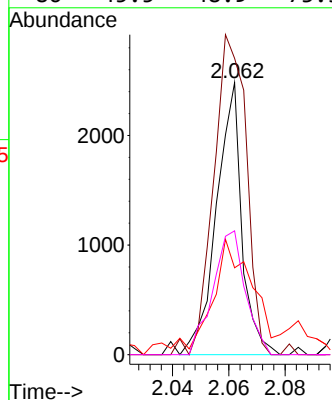
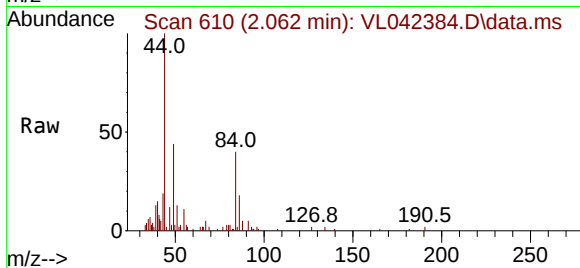




#20
Methylene Chloride
Concen: 0.177 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042384.D
Acq: 18 Apr 2025 10:54

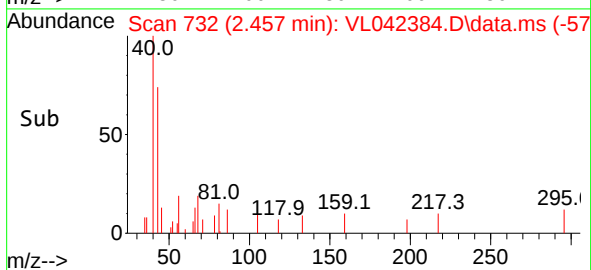
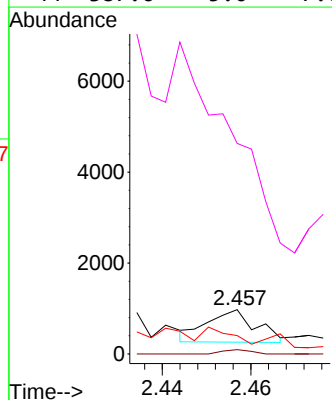
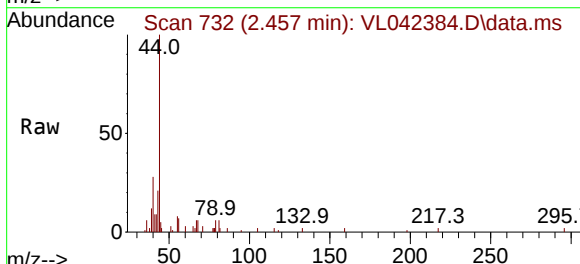
Instrument :
MSVOA_L
ClientSampleId :
VL0418ABL01

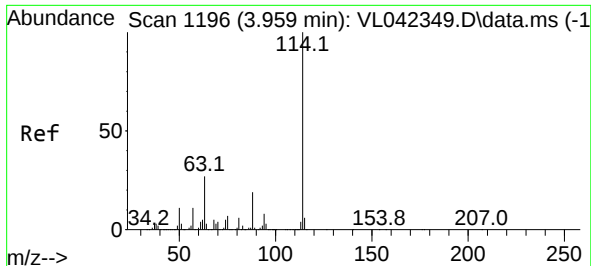
Tgt Ion:	84	Resp:	1553
Ion	Ratio	Lower	Upper
84	100		
49	116.9	111.6	167.4
51	25.8	35.1	52.7#
86	45.5	48.9	73.3#



#23
Vinyl Acetate
Concen: 0.060 ppbv
RT: 2.457 min Scan# 732
Delta R.T. -0.003 min
Lab File: VL042384.D
Acq: 18 Apr 2025 10:54

Tgt Ion:	43	Resp:	543
Ion	Ratio	Lower	Upper
43	100		
86	15.3	6.5	9.7#
42	0.0	7.8	11.8#
44	387.6	5.0	7.6#

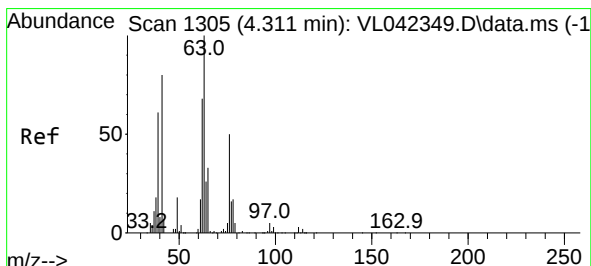
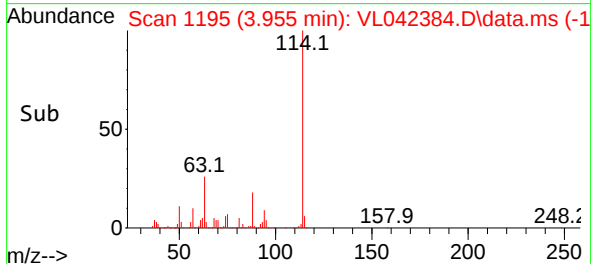
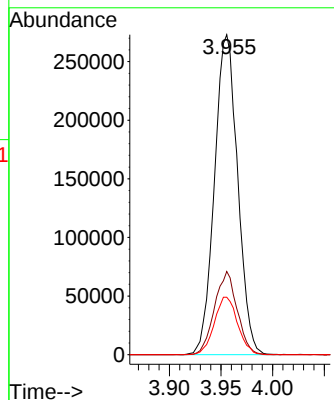
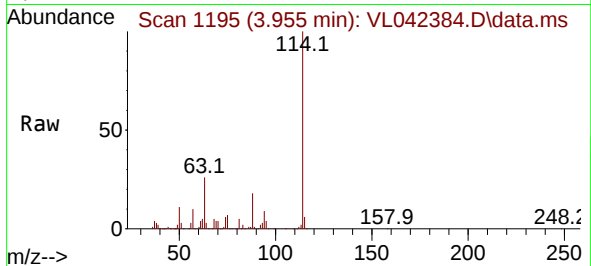




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.955 min Scan# 1195
 Delta R.T. -0.003 min
 Lab File: VL042384.D
 Acq: 18 Apr 2025 10:54

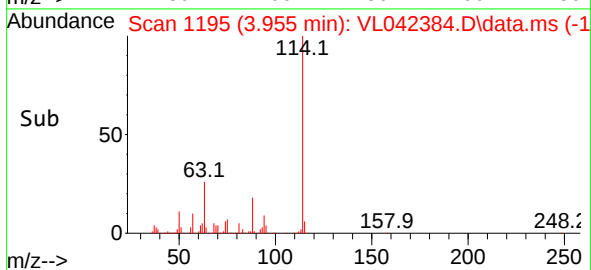
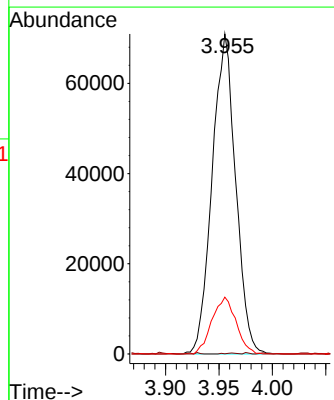
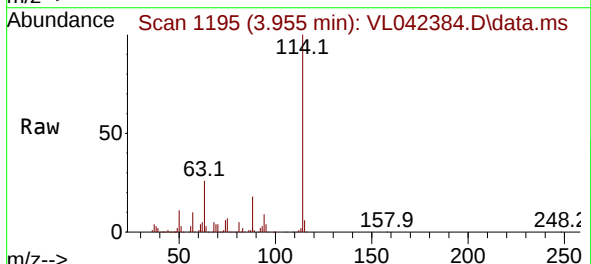
Instrument :
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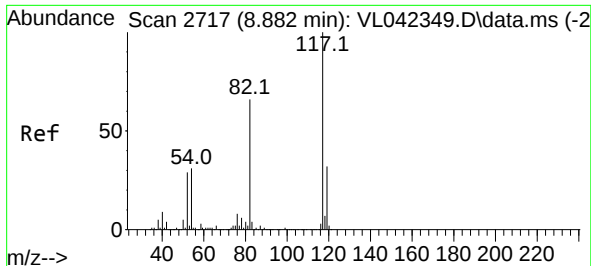
Tgt Ion:114 Resp: 425910
 Ion Ratio Lower Upper
 114 100
 63 25.5 21.8 32.6
 88 18.1 15.5 23.3



#39
 1,2-Dichloropropane
 Concen: 6.332 ppbv
 RT: 3.955 min Scan# 1195
 Delta R.T. -0.356 min
 Lab File: VL042384.D
 Acq: 18 Apr 2025 10:54

Tgt Ion: 63 Resp: 108399
 Ion Ratio Lower Upper
 63 100
 41 0.1 64.2 96.2#
 62 17.7 54.3 81.5#

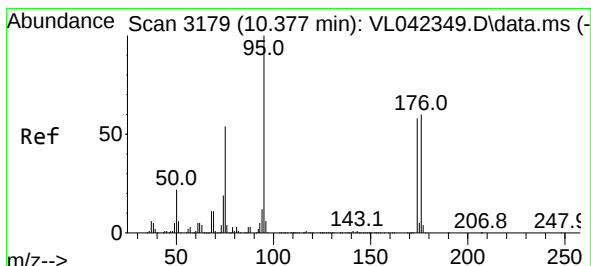
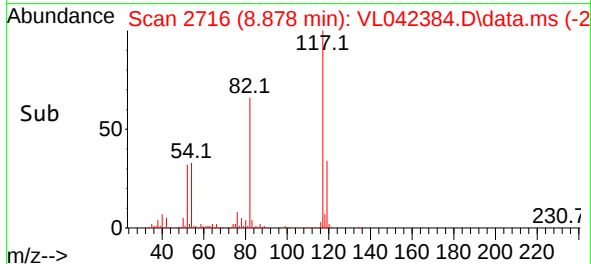
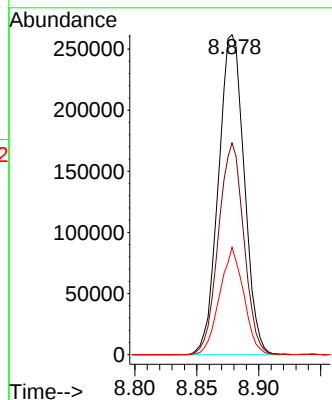
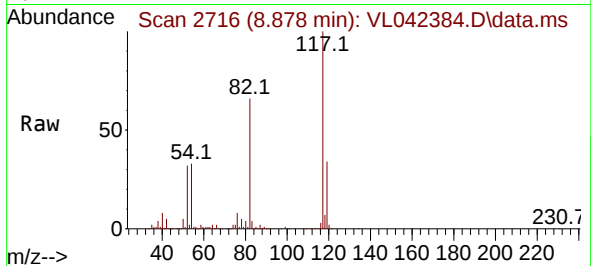




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042384.D
Acq: 18 Apr 2025 10:54

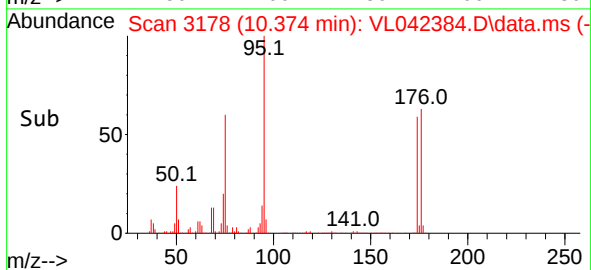
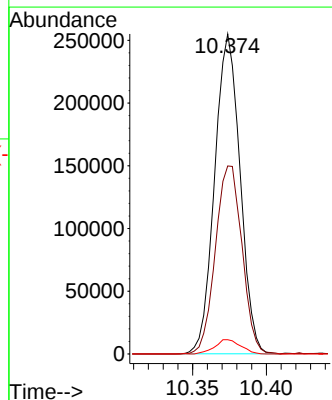
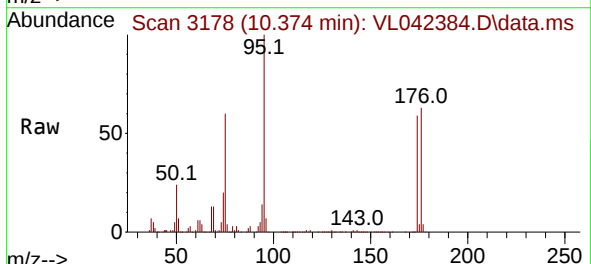
Instrument :
MSVOA_L
ClientSampleId :
VL0418ABL01

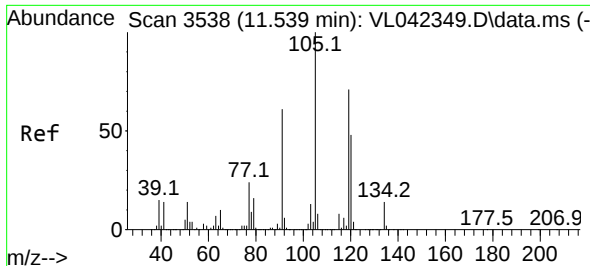
Tgt Ion:117 Resp: 379163
Ion Ratio Lower Upper
117 100
82 65.4 57.8 86.6
119 31.4 25.2 37.8



#68
1-Bromo-4-Fluorobenzene
Concen: 9.785 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.003 min
Lab File: VL042384.D
Acq: 18 Apr 2025 10:54

Tgt Ion: 95 Resp: 304890
Ion Ratio Lower Upper
95 100
174 61.8 48.5 72.7
175 4.6 3.7 5.5

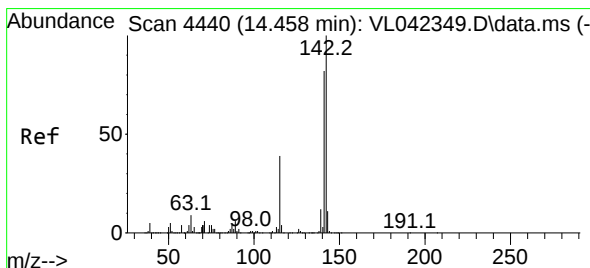
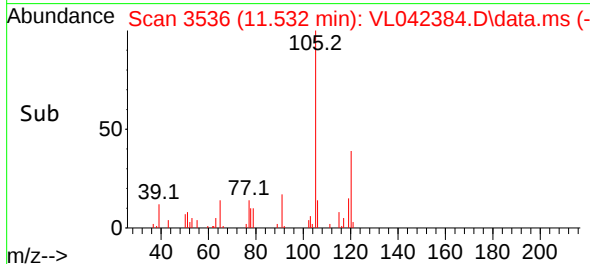
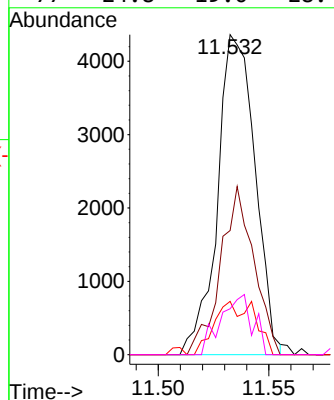
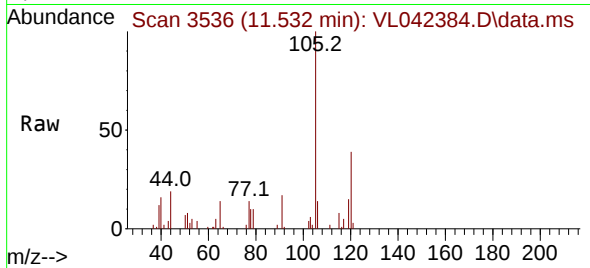




#74
1,2,4-Trimethylbenzene
Concen: 0.067 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.006 min
Lab File: VL042384.D
Acq: 18 Apr 2025 10:54

Instrument :
MSVOA_1
ClientSampleId :
VL0418ABL01

Tgt Ion:	105	Resp:	5155
Ion	Ratio	Lower	Upper
105	100		
120	38.8	38.1	57.1
91	16.6	48.8	73.2#
77	24.8	19.0	28.4



#80
Naphthalene,2-methyl-
Concen: 0.033 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.003 min
Lab File: VL042384.D
Acq: 18 Apr 2025 10:54

Tgt Ion:	142	Resp:	1710
Ion	Ratio	Lower	Upper
142	100		
141	87.2	66.8	100.2
115	52.3	33.4	50.2#

