

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
 Data File : VL042417.D
 Acq On : 28 Apr 2025 09:27
 Operator : SY/MD
 Sample : VL0428ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0428ABL01

Quant Time: Apr 29 01:32:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	2.777	49	121027	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	346921	10.000	ppbv	-0.01
55) Chlorobenzene-d5	8.868	117	302157	10.000	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	259490	10.451	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.500%

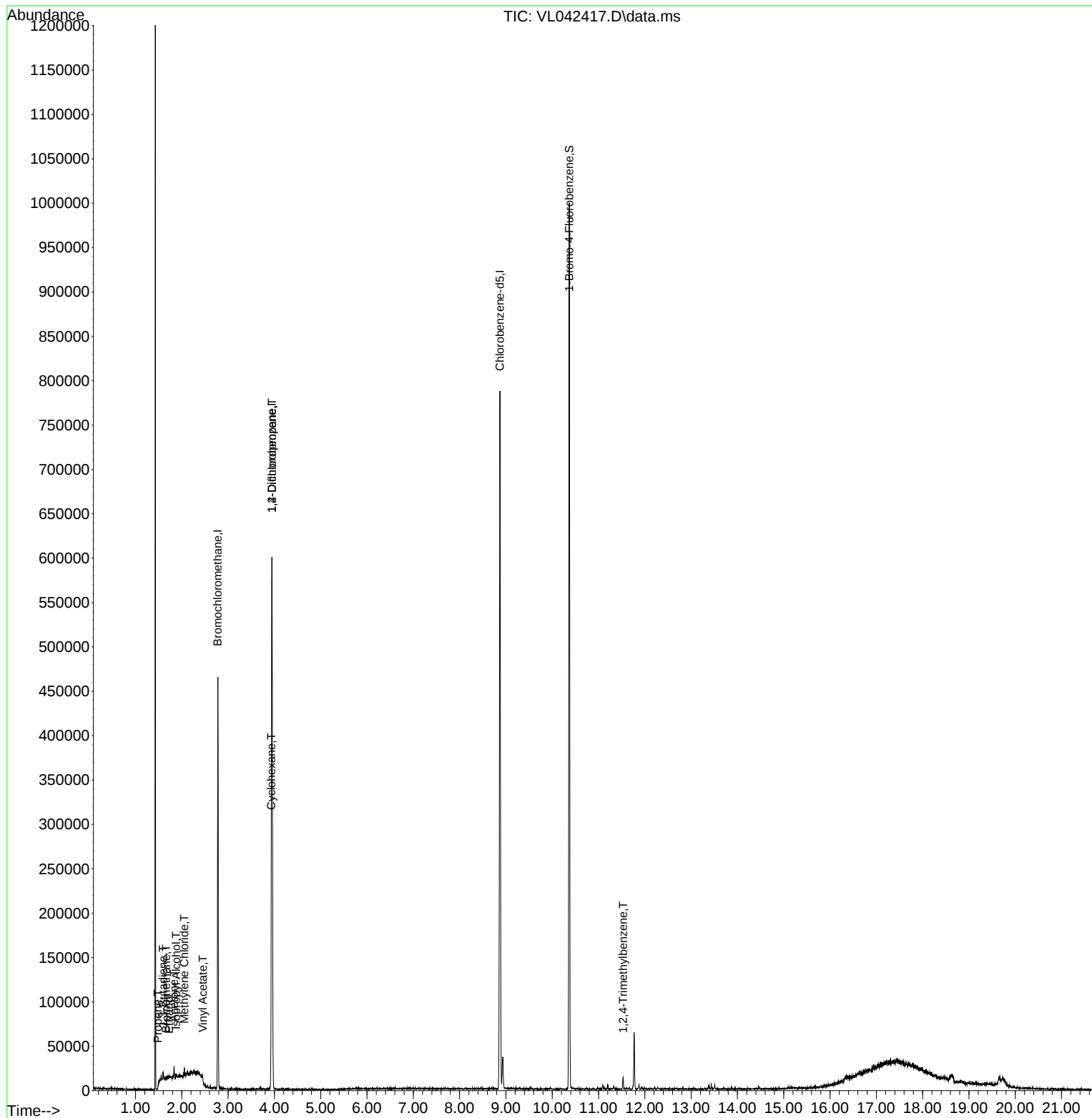
Target Compounds						Qvalue
6) Bromomethane	1.664	94	119	0.030	ppbv #	8
9) Propene	1.482	41	403	0.043	ppbv #	15
13) Ethanol	1.725	45	270	0.183	ppbv #	43
15) Acetone	1.832	43	5153	0.260	ppbv	95
16) 1,3-Butadiene	1.596	39	1529	0.161	ppbv #	9
19) Isopropyl Alcohol	1.877	45	690	0.063	ppbv #	65
20) Methylene Chloride	2.055	84	1447	0.186	ppbv	94
23) Vinyl Acetate	2.453	43	485	0.060	ppbv #	1
30) Cyclohexane	3.933	84	519	0.032	ppbv #	7
39) 1,2-Dichloropropane	3.946	63	95612	6.857	ppbv #	23
74) 1,2,4-Trimethylbenzene	11.529	105	4132	0.067	ppbv #	64

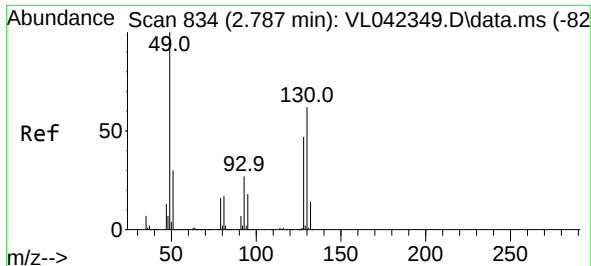
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 29 01:32:14 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

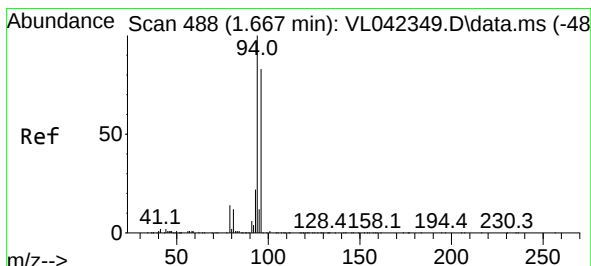
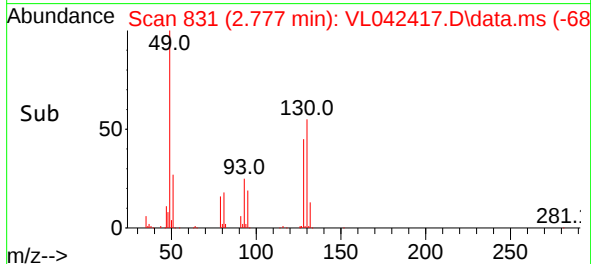
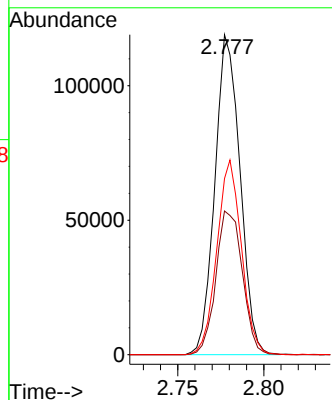
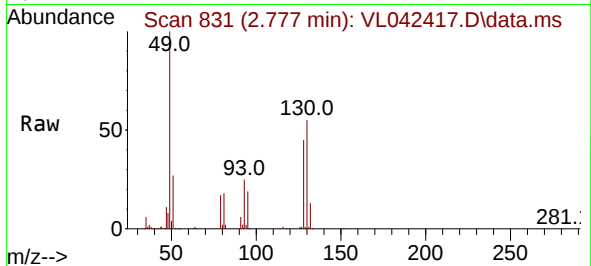




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 81
Delta R.T. -0.010 min
Lab File: VL042417.D
Acq: 28 Apr 2025 09:27

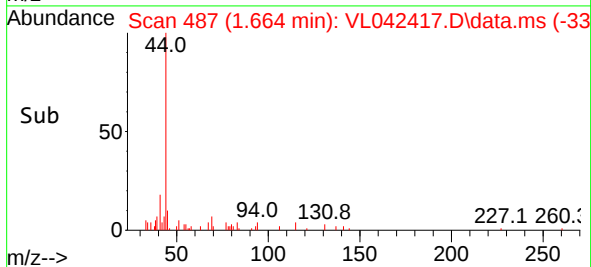
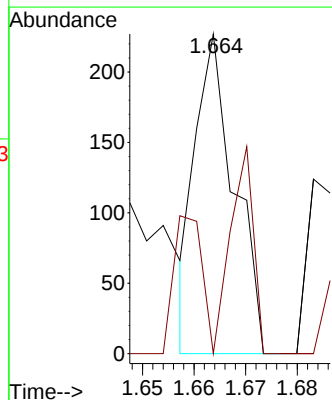
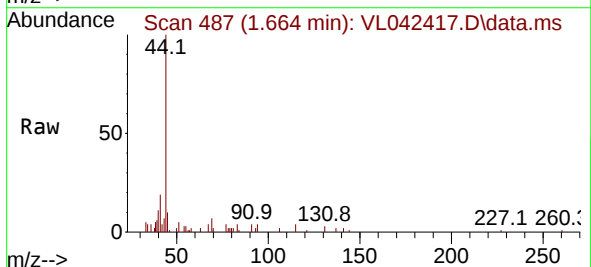
Instrument :
MSVOA_L
ClientSampleId :
VL0428ABL01

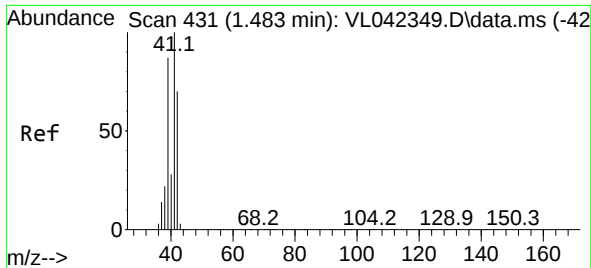
Tgt Ion: 49 Resp: 121027
Ion Ratio Lower Upper
49 100
128 47.3 22.8 68.4
130 59.4 29.3 88.0



#6
Bromomethane
Concen: 0.030 ppbv
RT: 1.664 min Scan# 487
Delta R.T. -0.003 min
Lab File: VL042417.D
Acq: 28 Apr 2025 09:27

Tgt Ion: 94 Resp: 119
Ion Ratio Lower Upper
94 100
96 0.0 66.2 99.2#

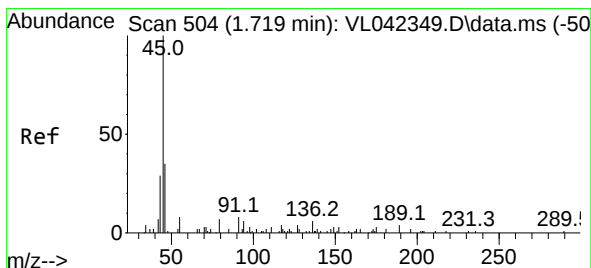
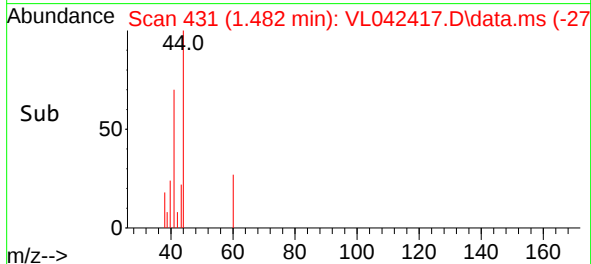
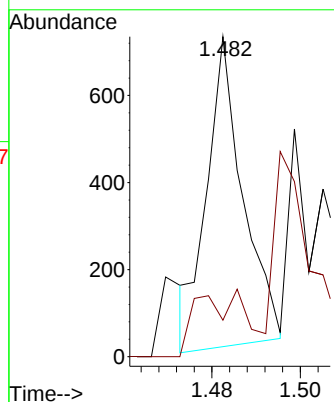
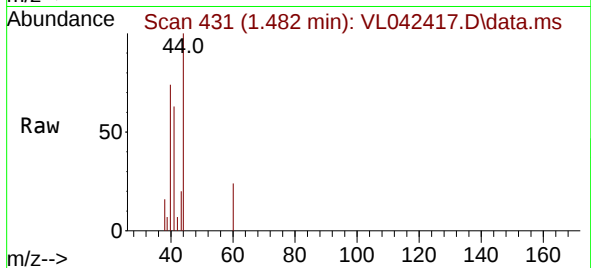




#9
 Propene
 Concen: 0.043 ppbv
 RT: 1.482 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042417.D
 Acq: 28 Apr 2025 09:27

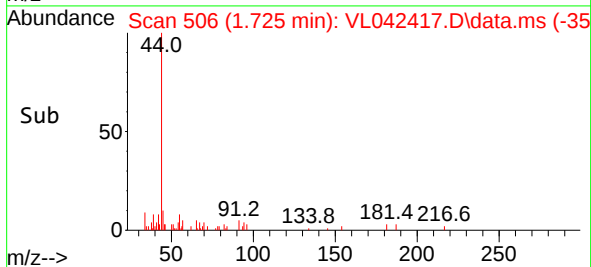
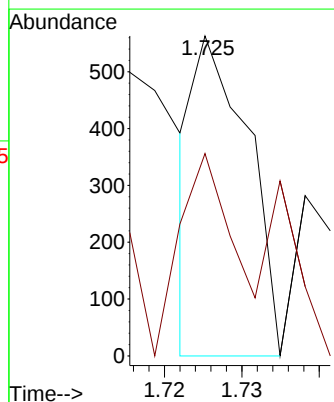
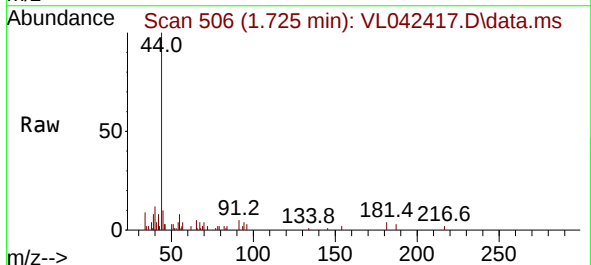
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0428ABL01

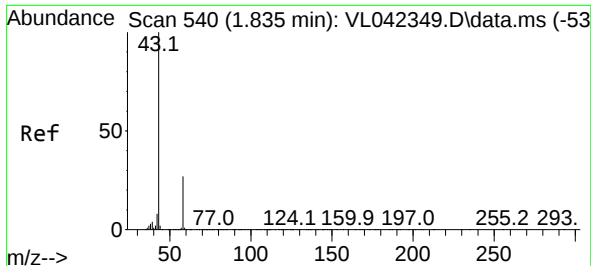
Tgt Ion: 41 Resp: 403
 Ion Ratio Lower Upper
 41 100
 42 0.0 56.2 84.4#



#13
 Ethanol
 Concen: 0.183 ppbv
 RT: 1.725 min Scan# 506
 Delta R.T. 0.006 min
 Lab File: VL042417.D
 Acq: 28 Apr 2025 09:27

Tgt Ion: 45 Resp: 270
 Ion Ratio Lower Upper
 45 100
 46 95.9 21.9 87.7#

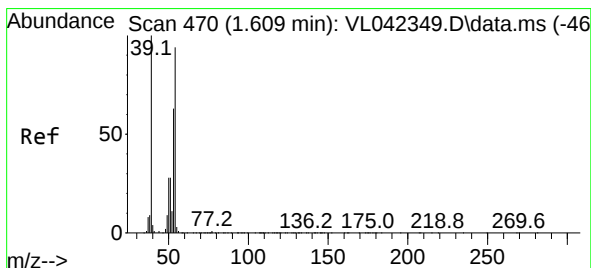
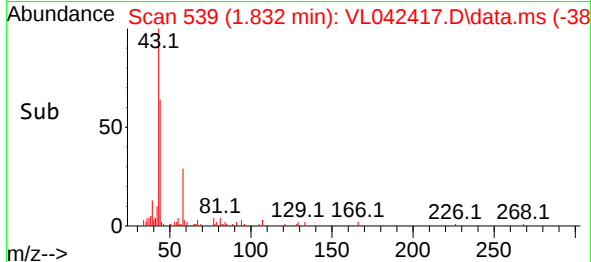
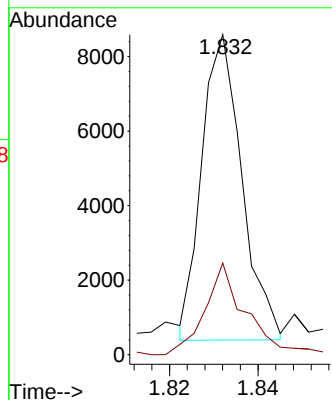
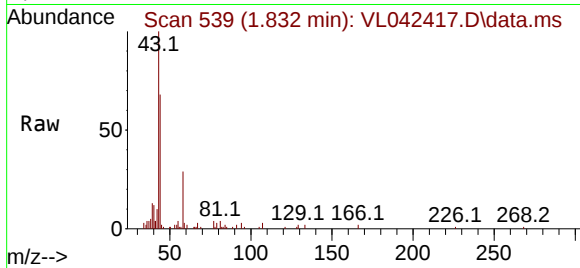




#15
Acetone
Concen: 0.260 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042417.D
Acq: 28 Apr 2025 09:27

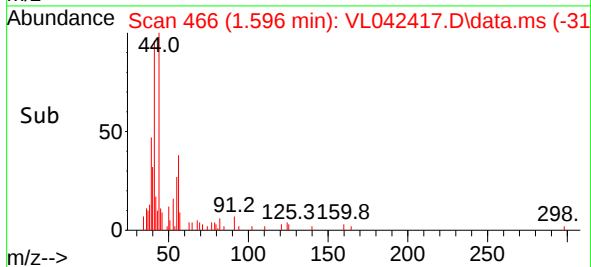
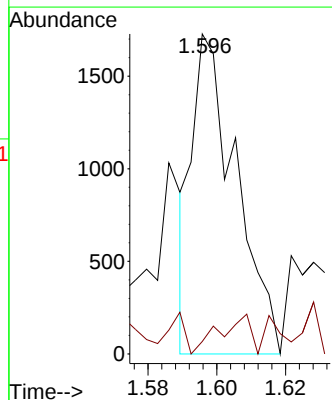
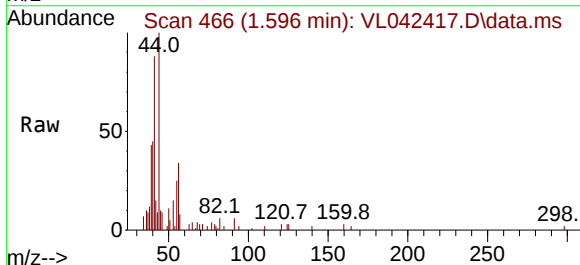
Instrument :
MSVOA_L
ClientSampleId :
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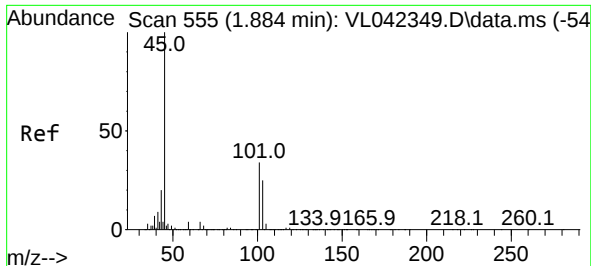
Tgt Ion: 43 Resp: 5153
Ion Ratio Lower Upper
43 100
58 30.8 22.4 33.6



#16
1,3-Butadiene
Concen: 0.161 ppbv
RT: 1.596 min Scan# 466
Delta R.T. -0.013 min
Lab File: VL042417.D
Acq: 28 Apr 2025 09:27

Tgt Ion: 39 Resp: 1529
Ion Ratio Lower Upper
39 100
54 0.0 64.9 97.3#

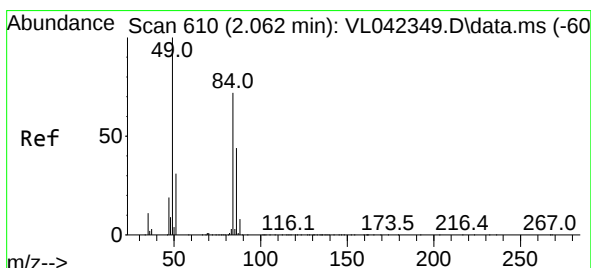
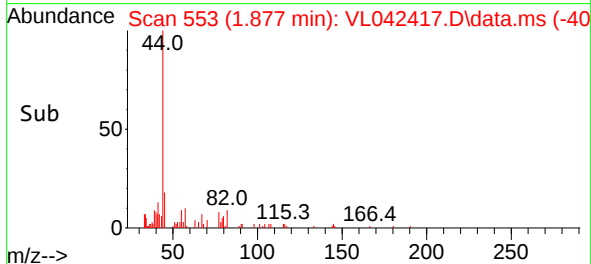
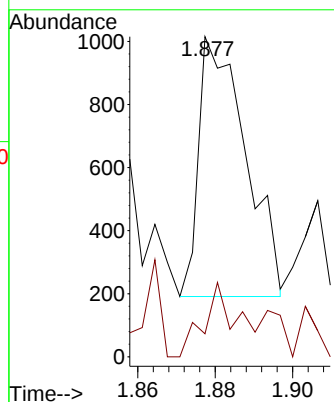
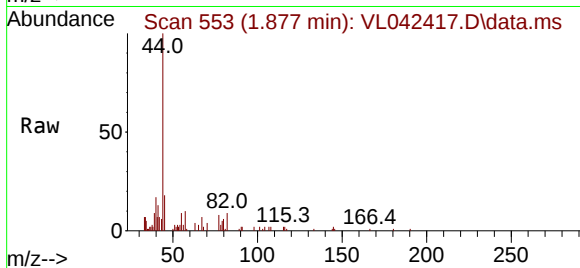




#19
Isopropyl Alcohol
Concen: 0.063 ppbv
RT: 1.877 min Scan# 51
Delta R.T. -0.007 min
Lab File: VL042417.D
Acq: 28 Apr 2025 09:27

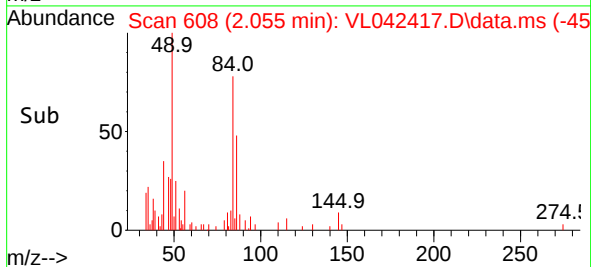
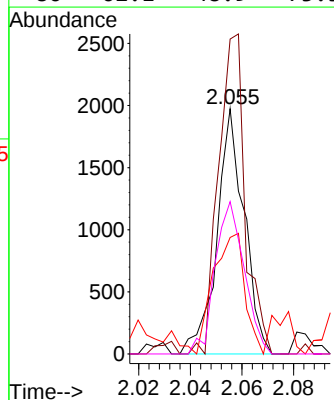
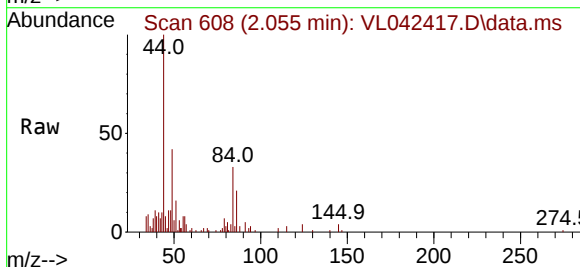
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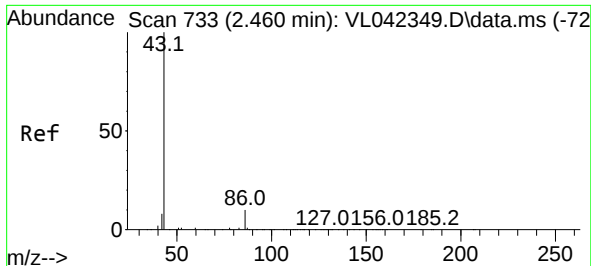
Tgt Ion: 45 Resp: 690
Ion Ratio Lower Upper
45 100
58 20.9 34.5 51.7#



#20
Methylene Chloride
Concen: 0.186 ppbv
RT: 2.055 min Scan# 608
Delta R.T. -0.007 min
Lab File: VL042417.D
Acq: 28 Apr 2025 09:27

Tgt Ion: 84 Resp: 1447
Ion Ratio Lower Upper
84 100
49 128.4 111.6 167.4
51 44.2 35.1 52.7
86 62.1 48.9 73.3

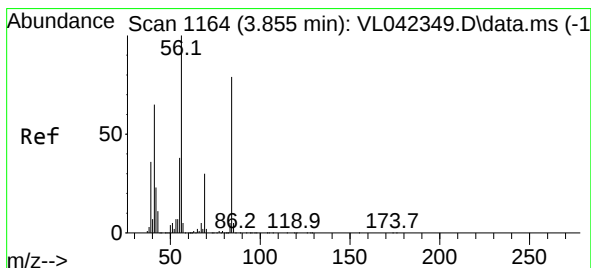
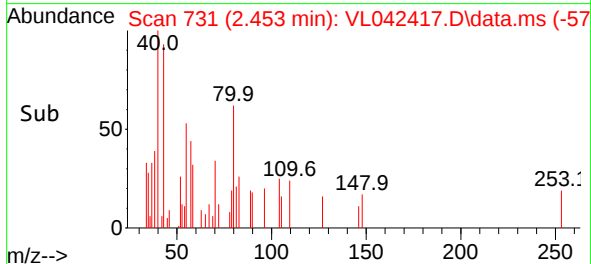
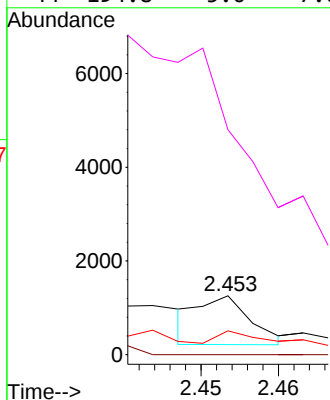
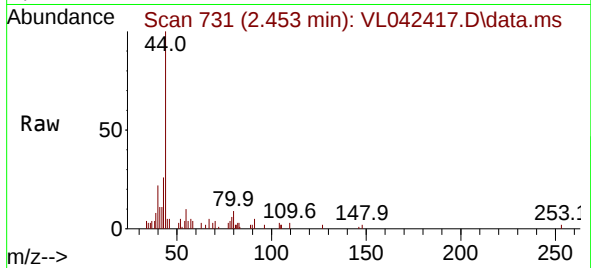




#23
Vinyl Acetate
Concen: 0.060 ppbv
RT: 2.453 min Scan# 71
Delta R.T. -0.007 min
Lab File: VL042417.D
Acq: 28 Apr 2025 09:27

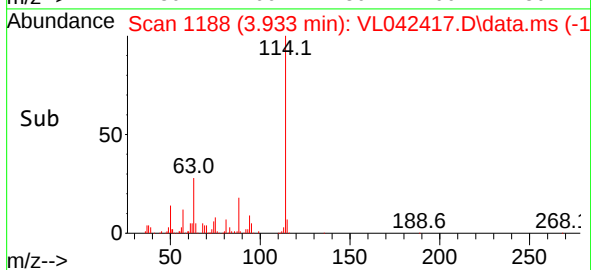
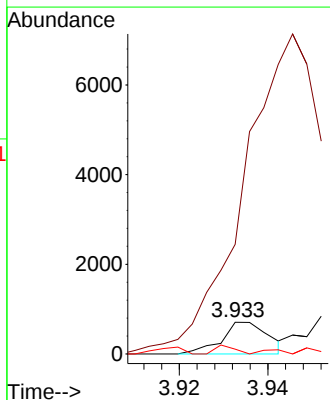
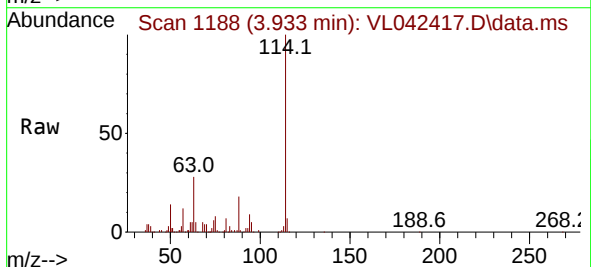
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ClientSampleId :
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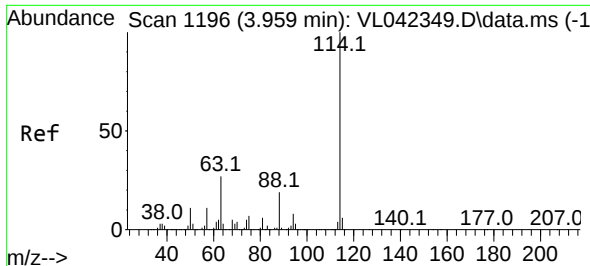
Tgt Ion: 43 Resp: 485
Ion Ratio Lower Upper
43 100
86 0.0 6.5 9.7#
42 26.7 7.8 11.8#
44 194.8 5.0 7.6#



#30
Cyclohexane
Concen: 0.032 ppbv
RT: 3.933 min Scan# 1188
Delta R.T. 0.078 min
Lab File: VL042417.D
Acq: 28 Apr 2025 09:27

Tgt Ion: 84 Resp: 519
Ion Ratio Lower Upper
84 100
56 0.0 101.0 151.4#
41 24.3 67.4 101.0#

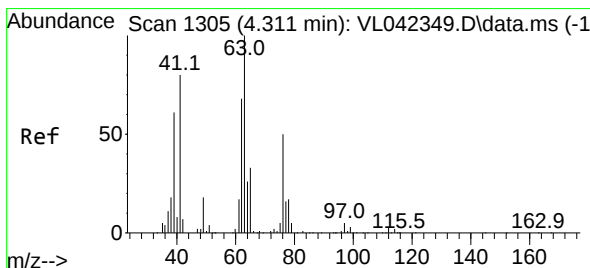
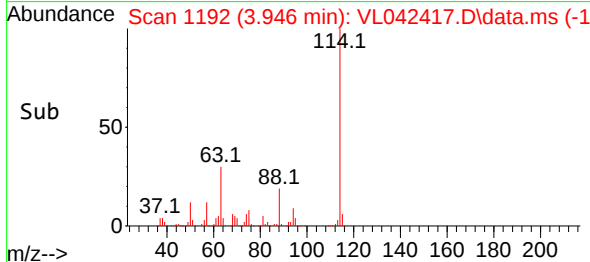
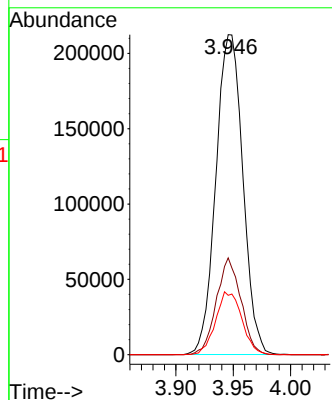
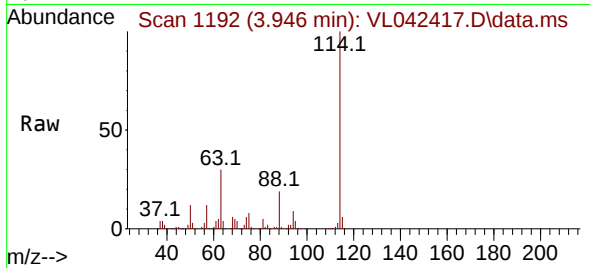




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.946 min Scan# 1192
 Delta R.T. -0.013 min
 Lab File: VL042417.D
 Acq: 28 Apr 2025 09:27

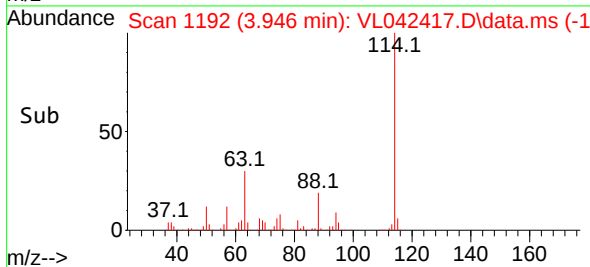
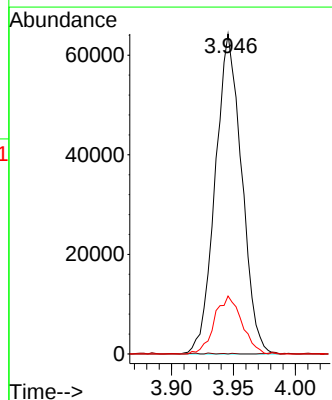
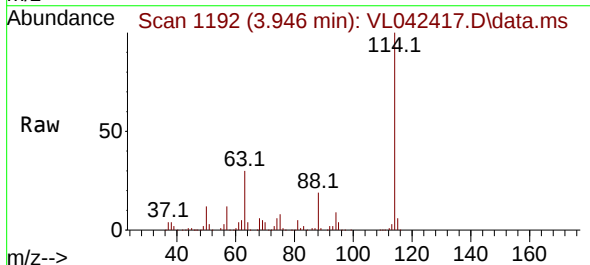
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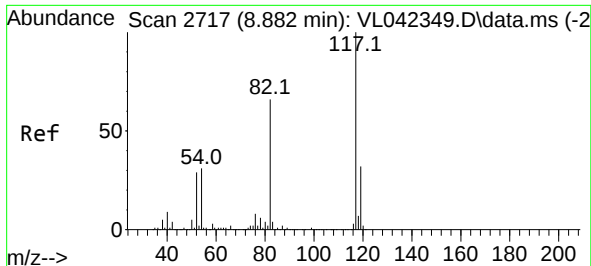
Tgt Ion:114 Resp: 346921
 Ion Ratio Lower Upper
 114 100
 63 27.6 21.8 32.6
 88 19.1 15.5 23.3



#39
 1,2-Dichloropropane
 Concen: 6.857 ppbv
 RT: 3.946 min Scan# 1192
 Delta R.T. -0.366 min
 Lab File: VL042417.D
 Acq: 28 Apr 2025 09:27

Tgt Ion: 63 Resp: 95612
 Ion Ratio Lower Upper
 63 100
 41 0.2 64.2 96.2#
 62 18.1 54.3 81.5#

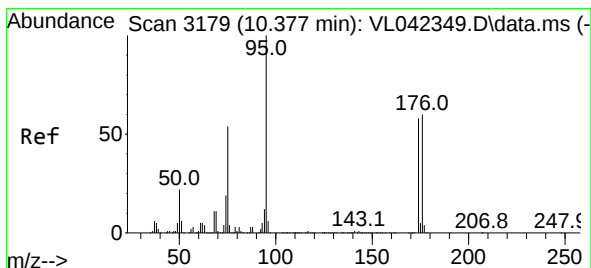
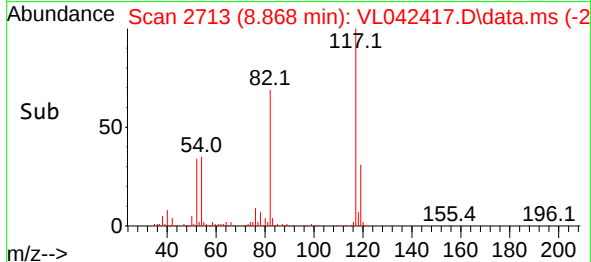
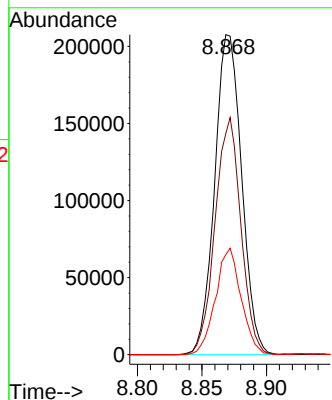
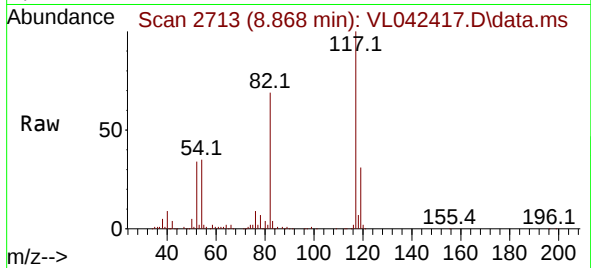




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.868 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL042417.D
Acq: 28 Apr 2025 09:27

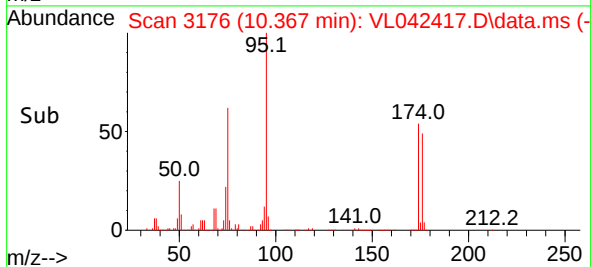
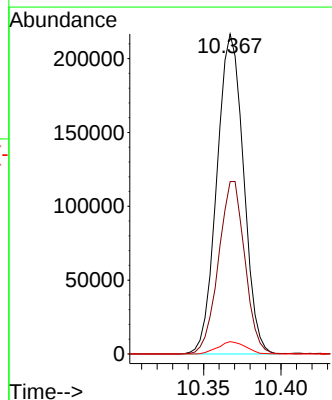
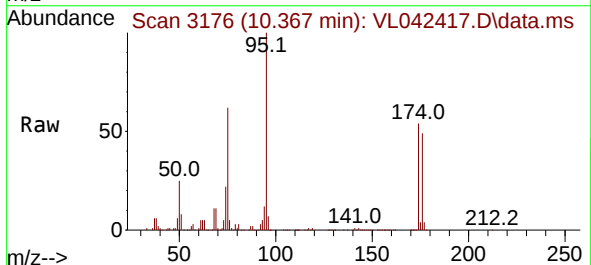
Instrument :
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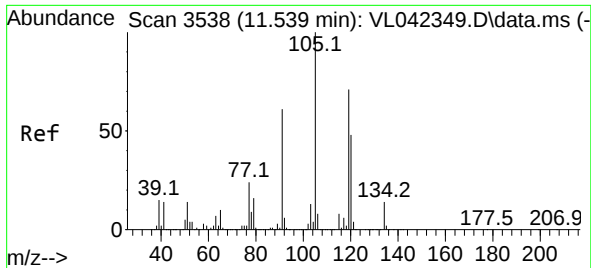
Tgt Ion:117 Resp: 302157
Ion Ratio Lower Upper
117 100
82 71.0 57.8 86.6
119 31.7 25.2 37.8



#68
1-Bromo-4-Fluorobenzene
Concen: 10.451 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.010 min
Lab File: VL042417.D
Acq: 28 Apr 2025 09:27

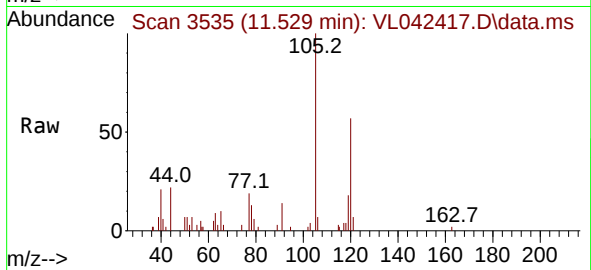
Tgt Ion: 95 Resp: 259490
Ion Ratio Lower Upper
95 100
174 53.3 48.5 72.7
175 4.0 3.7 5.5





#74
 1,2,4-Trimethylbenzene
 Concen: 0.067 ppbv
 RT: 11.529 min Scan# 31
 Delta R.T. -0.010 min
 Lab File: VL042417.D
 Acq: 28 Apr 2025 09:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0428ABL01



Tgt Ion:	105	Resp:	4132
Ion	Ratio	Lower	Upper
105	100		
120	57.1	38.1	57.1
91	13.6	48.8	73.2#
77	18.6	19.0	28.4#

