

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021125\
 Data File : VL041996.D
 Acq On : 11 Feb 2025 10:06
 Operator : SY/MD
 Sample : VL00211ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 11 22:17:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 14 23:15:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

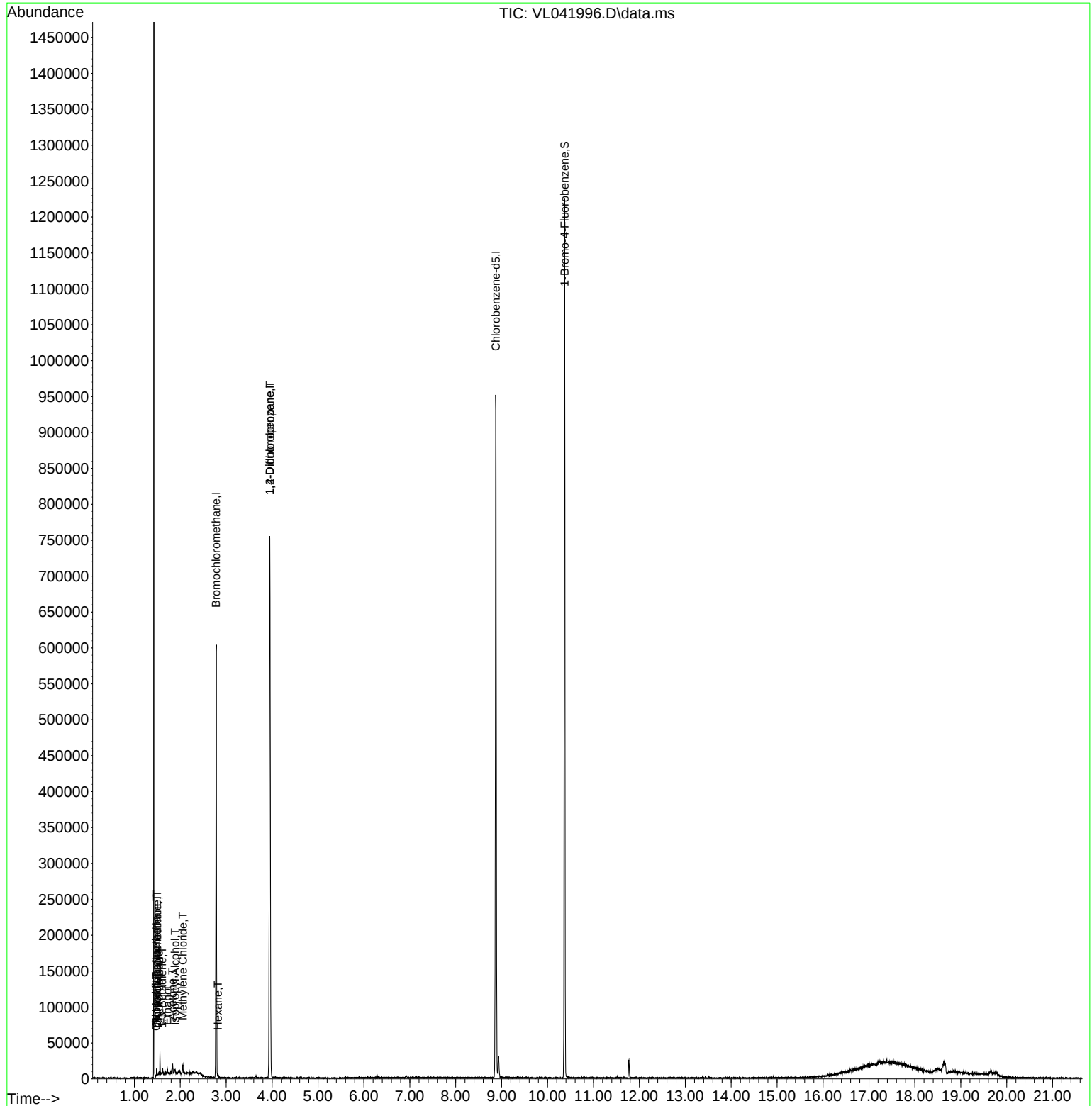
Internal Standards						
1) Bromochloromethane	2.781	49	167703	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.952	114	459653	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.872	117	395237	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	306745	9.854	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.496	85	1239	0.054	ppbv #	69
3) Chlorodifluoromethane	1.473	51	1934	0.081	ppbv #	78
4) Chloromethane	1.531	50	621	0.072	ppbv #	68
8) Dichlorotetrafluoroethane	1.496	85	1239	0.062	ppbv #	22
9) Propene	1.483	41	1232	0.125	ppbv	99
13) Ethanol	1.719	45	2097	2.904	ppbv #	31
15) Acetone	1.832	43	6209	0.308	ppbv	95
16) 1,3-Butadiene	1.602	39	377	0.042	ppbv #	11
19) Isopropyl Alcohol	1.887	45	2301	0.193	ppbv #	43
20) Methylene Chloride	2.059	84	1841	0.231	ppbv	85
26) Hexane	2.819	57	896	0.042	ppbv #	50
39) 1,2-Dichloropropane	3.952	63	111269	7.524	ppbv #	21

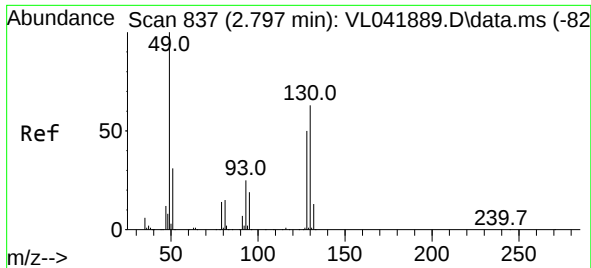
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VL041996.D
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Operator : SY/MD
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Feb 11 22:17:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

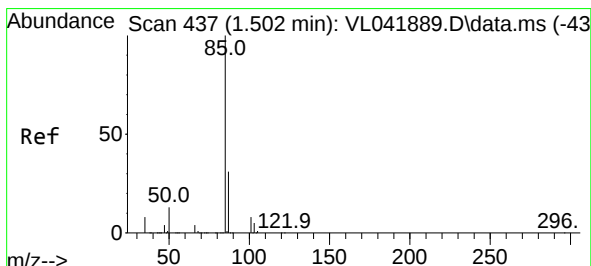
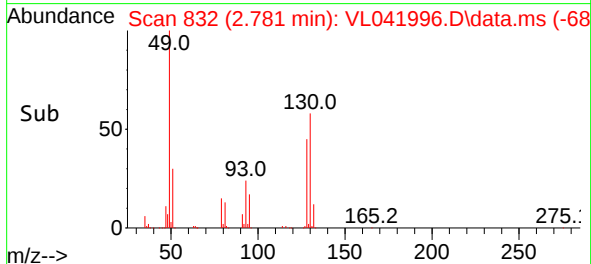
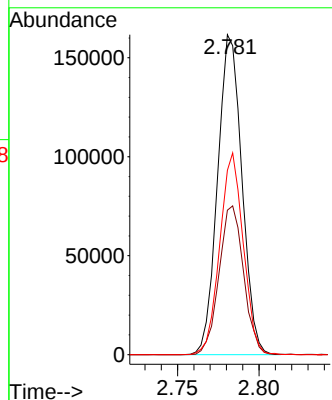
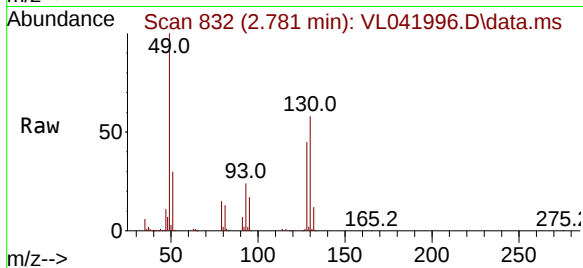




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.781 min Scan# 81
 Delta R.T. -0.016 min
 Lab File: VL041996.D
 Acq: 11 Feb 2025 10:06

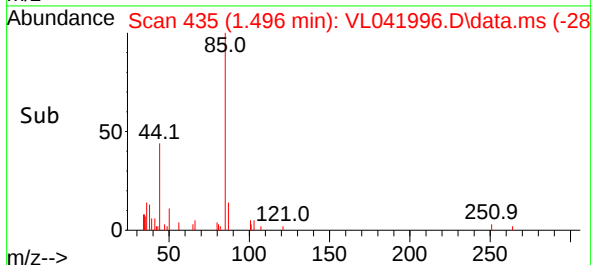
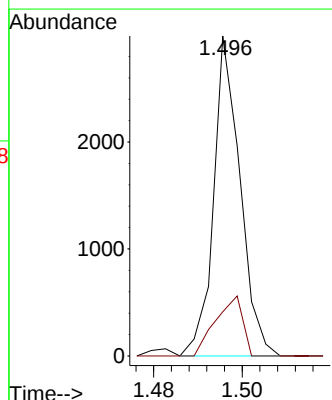
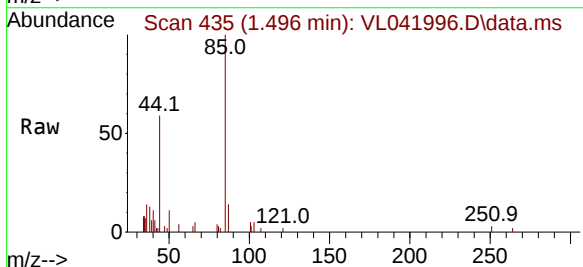
Instrument :
 MSVOA_L
 ClientSampleId :

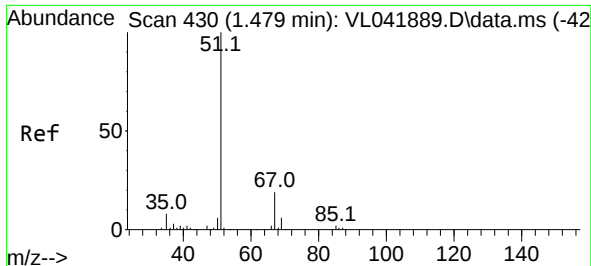
Tgt Ion: 49 Resp: 167703
 Ion Ratio Lower Upper
 49 100
 128 46.9 24.3 73.0
 130 60.9 31.1 93.2



#2
 Dichlorodifluoromethane
 Concen: 0.054 ppbv
 RT: 1.496 min Scan# 435
 Delta R.T. -0.006 min
 Lab File: VL041996.D
 Acq: 11 Feb 2025 10:06

Tgt Ion: 85 Resp: 1239
 Ion Ratio Lower Upper
 85 100
 87 13.8 24.9 37.3#





#3

Chlorodifluoromethane

Concen: 0.081 ppbv

RT: 1.473 min Scan# 430

Delta R.T. -0.006 min

Lab File: VL041996.D

Acq: 11 Feb 2025 10:06

Instrument :

MSVOA_L

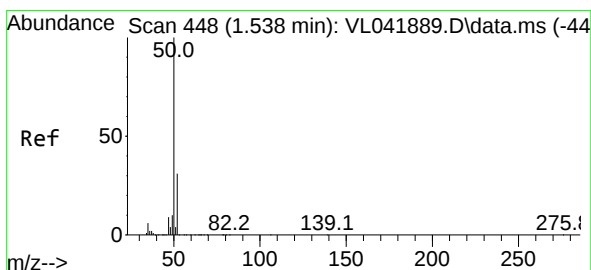
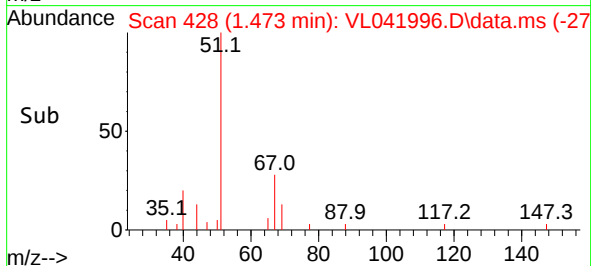
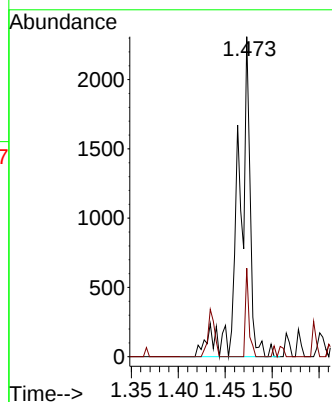
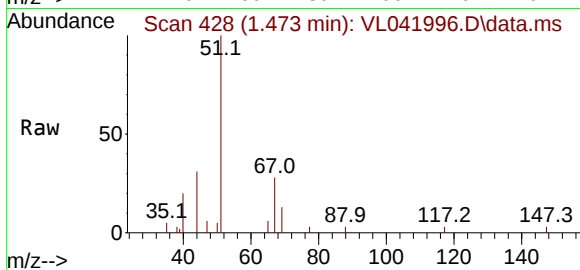
ClientSampleId :

Tgt Ion: 51 Resp: 1934

Ion Ratio Lower Upper

51 100

67 8.6 15.0 22.4#



#4

Chloromethane

Concen: 0.072 ppbv

RT: 1.531 min Scan# 446

Delta R.T. -0.006 min

Lab File: VL041996.D

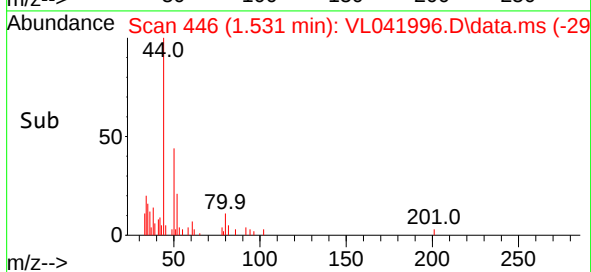
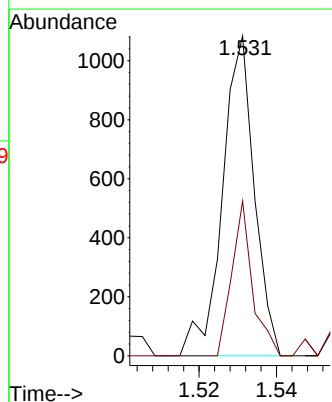
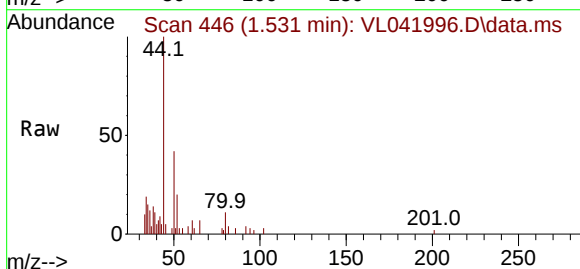
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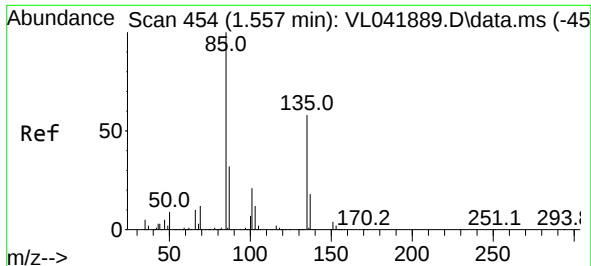
Tgt Ion: 50 Resp: 621

Ion Ratio Lower Upper

50 100

52 48.4 24.6 36.8#

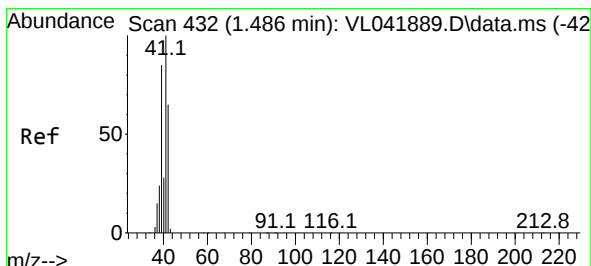
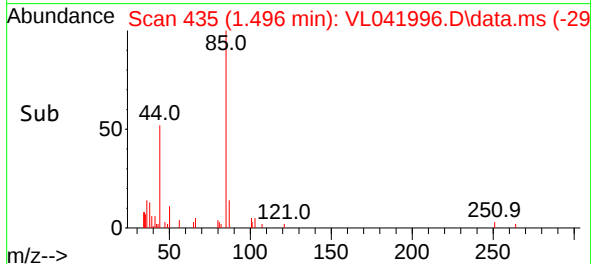
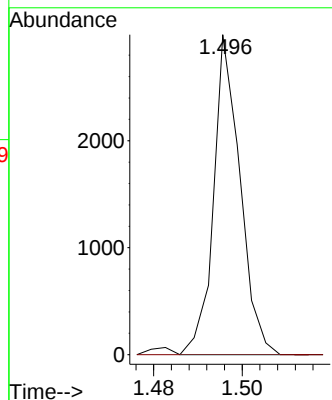
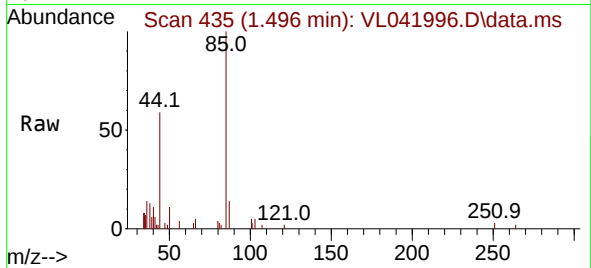




#8
 Dichlorotetrafluoroethane
 Concen: 0.062 ppbv
 RT: 1.496 min Scan# 411
 Delta R.T. -0.061 min
 Lab File: VL041996.D
 Acq: 11 Feb 2025 10:06

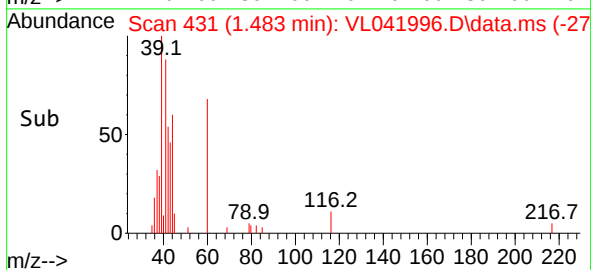
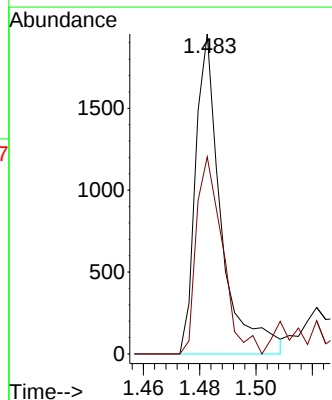
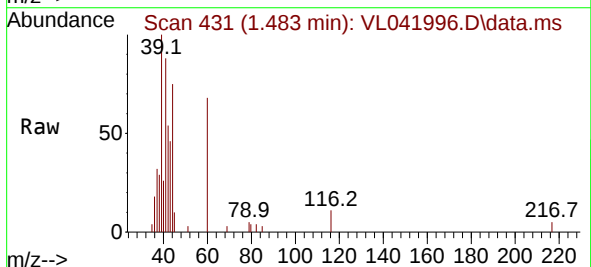
Instrument :
 MSVOA_L
 ClientSampleId :

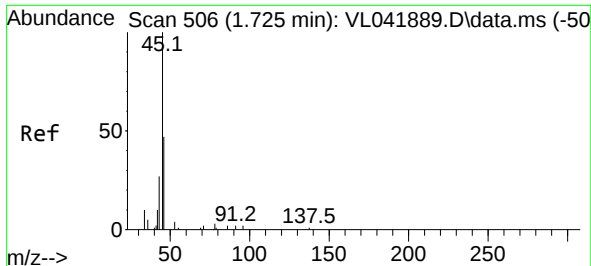
Tgt Ion: 85 Resp: 1239
 Ion Ratio Lower Upper
 85 100
 135 2.0 50.0 75.0#



#9
 Propene
 Concen: 0.125 ppbv
 RT: 1.483 min Scan# 431
 Delta R.T. -0.003 min
 Lab File: VL041996.D
 Acq: 11 Feb 2025 10:06

Tgt Ion: 41 Resp: 1232
 Ion Ratio Lower Upper
 41 100
 42 64.4 52.0 78.0

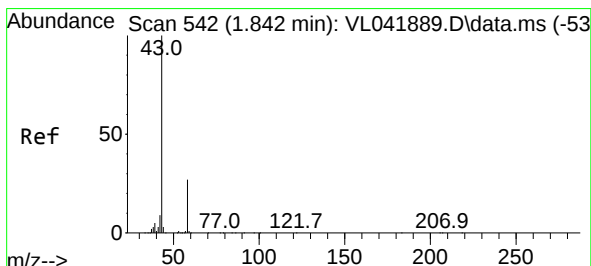
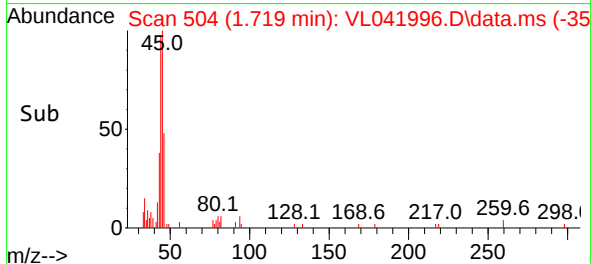
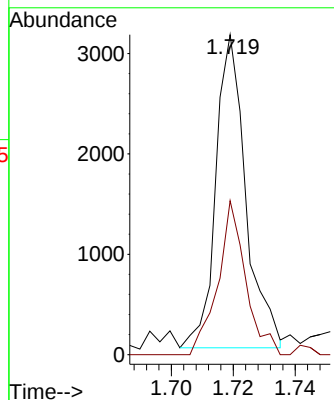
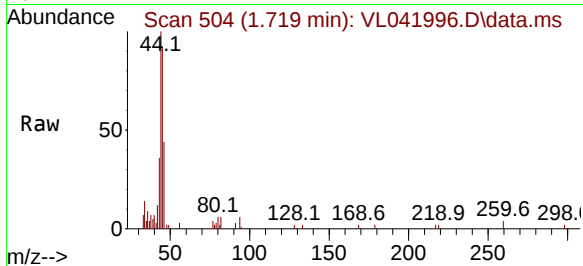




#13
Ethanol
Concen: 2.904 ppbv
RT: 1.719 min Scan# 506
Delta R.T. -0.006 min
Lab File: VL041996.D
Acq: 11 Feb 2025 10:06

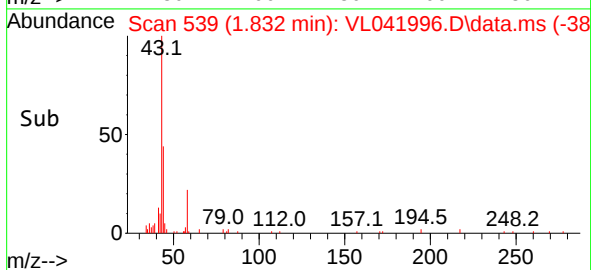
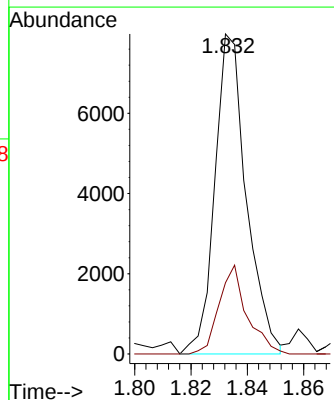
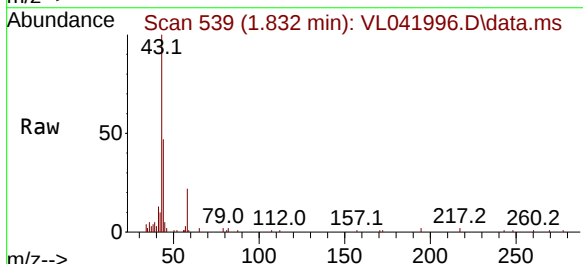
Instrument :
MSVOA_L
ClientSampleId :

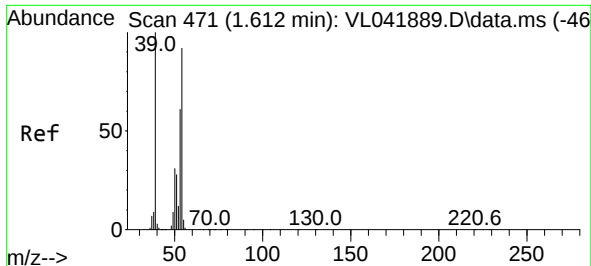
Tgt Ion: 45 Resp: 2097
Ion Ratio Lower Upper
45 100
46 0.0 18.1 72.5#



#15
Acetone
Concen: 0.308 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.010 min
Lab File: VL041996.D
Acq: 11 Feb 2025 10:06

Tgt Ion: 43 Resp: 6209
Ion Ratio Lower Upper
43 100
58 24.5 21.9 32.9

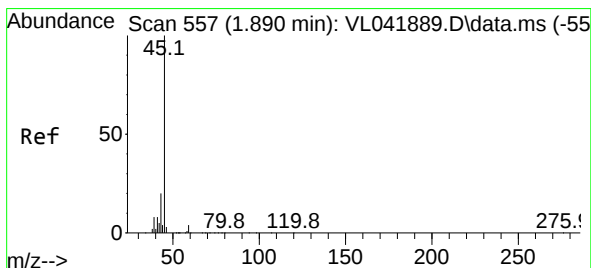
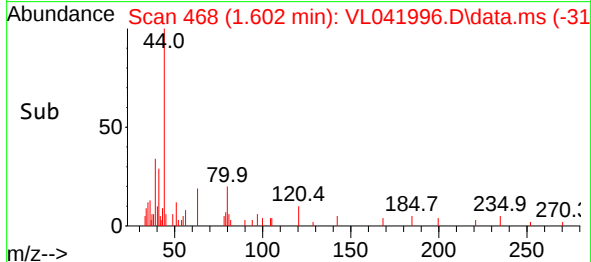
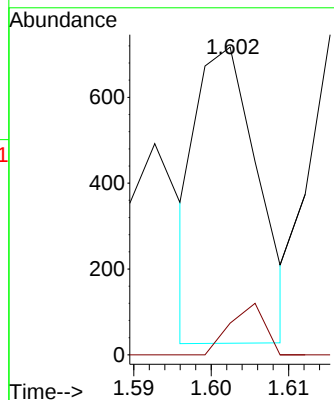
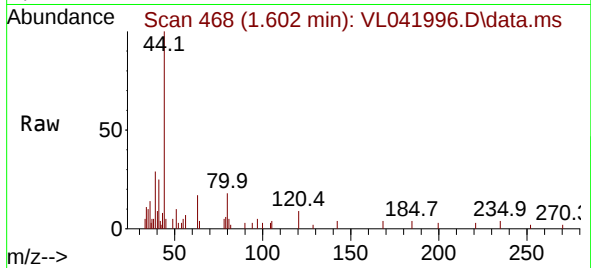




#16
1,3-Butadiene
Concen: 0.042 ppbv
RT: 1.602 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL041996.D
Acq: 11 Feb 2025 10:06

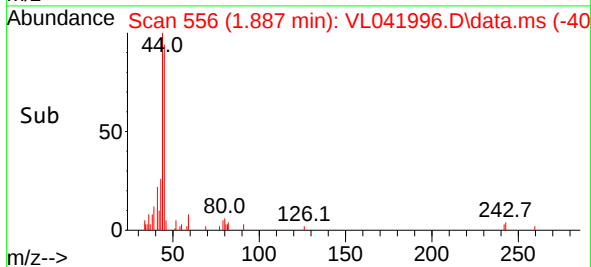
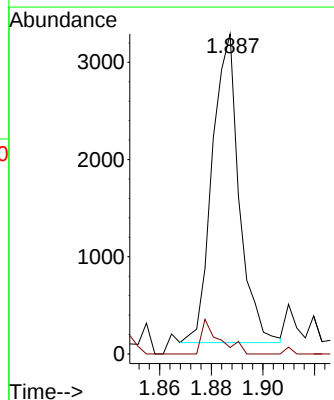
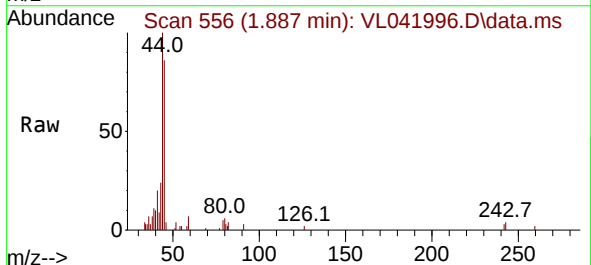
Instrument :
MSVOA_L
ClientSampleId :

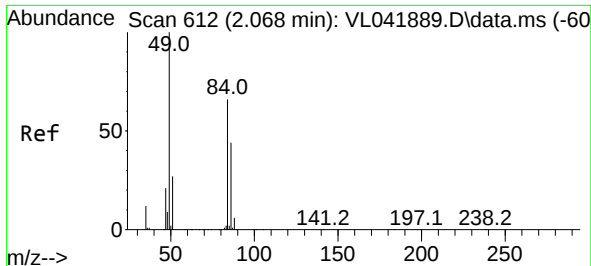
Tgt Ion: 39 Resp: 377
Ion Ratio Lower Upper
39 100
54 0.0 61.6 92.4#



#19
Isopropyl Alcohol
Concen: 0.193 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.003 min
Lab File: VL041996.D
Acq: 11 Feb 2025 10:06

Tgt Ion: 45 Resp: 2301
Ion Ratio Lower Upper
45 100
58 7.3 35.0 52.6#

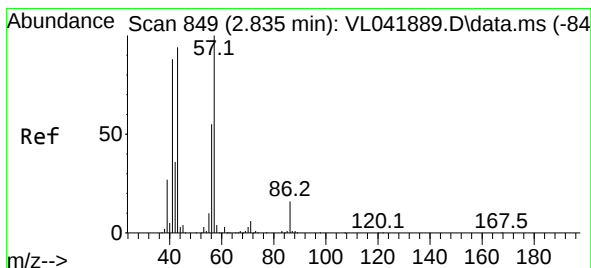
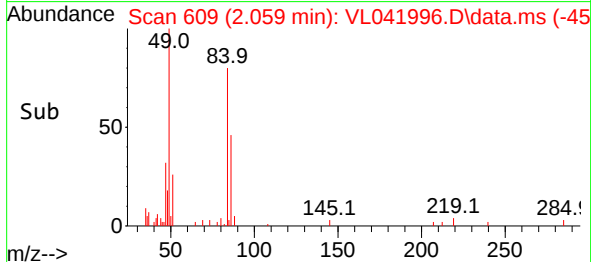
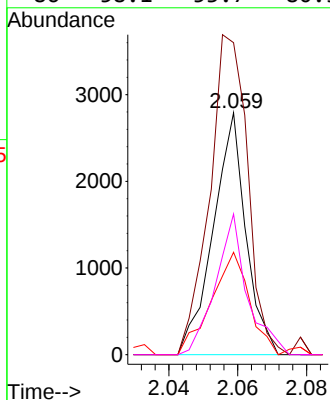
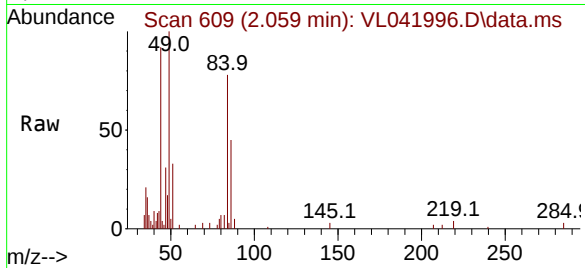




#20
Methylene Chloride
Concen: 0.231 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.010 min
Lab File: VL041996.D
Acq: 11 Feb 2025 10:06

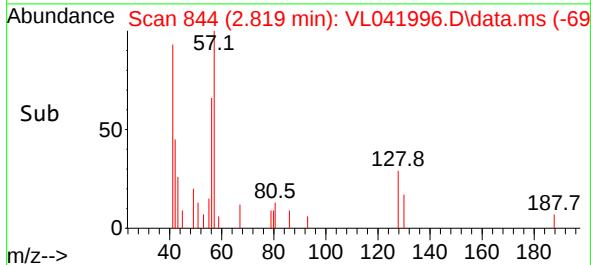
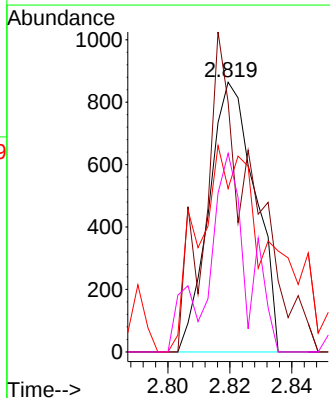
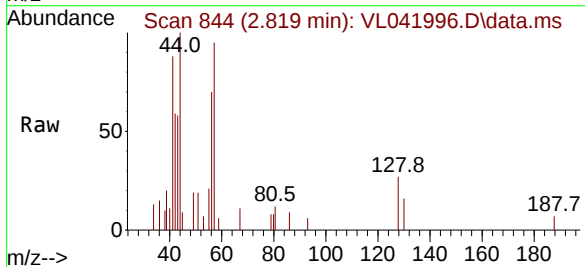
Instrument :
MSVOA_L
ClientSampleId :

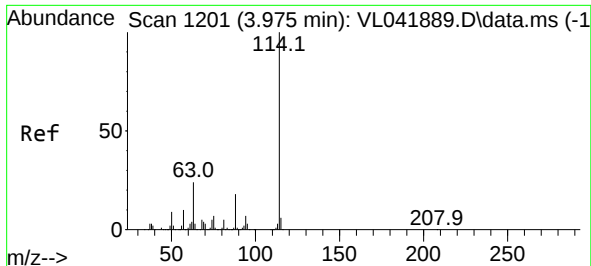
Tgt Ion: 84	Resp:	1841	
Ion	Ratio	Lower	Upper
84	100		
49	128.9	123.1	184.7
51	42.3	35.8	53.8
86	58.1	53.7	80.5



#26
Hexane
Concen: 0.042 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.016 min
Lab File: VL041996.D
Acq: 11 Feb 2025 10:06

Tgt Ion: 57	Resp:	896	
Ion	Ratio	Lower	Upper
57	100		
41	125.0	73.8	110.8#
43	134.9	197.3	295.9#
56	62.5	42.7	64.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.023 min

Lab File: VL041996.D

Acq: 11 Feb 2025 10:06

Instrument :

MSVOA_L

ClientSampleId :

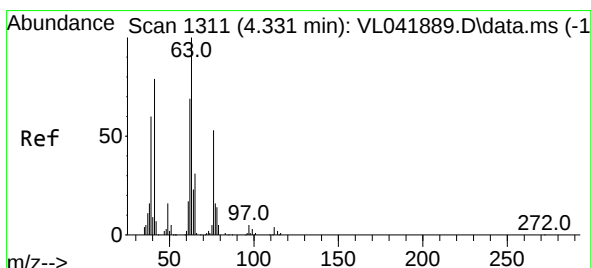
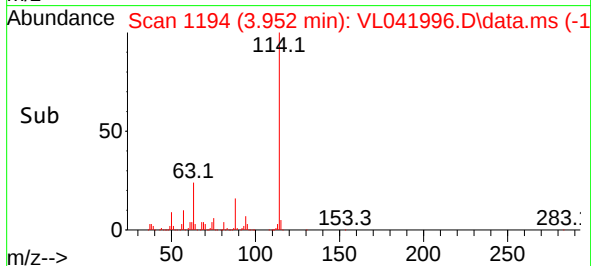
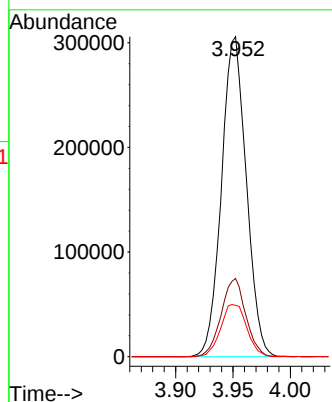
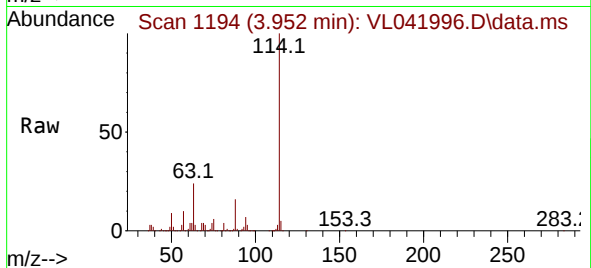
Tgt Ion:114 Resp: 459653

Ion Ratio Lower Upper

114 100

63 24.2 19.8 29.6

88 17.2 14.4 21.6



#39

1,2-Dichloropropane

Concen: 7.524 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.379 min

Lab File: VL041996.D

Acq: 11 Feb 2025 10:06

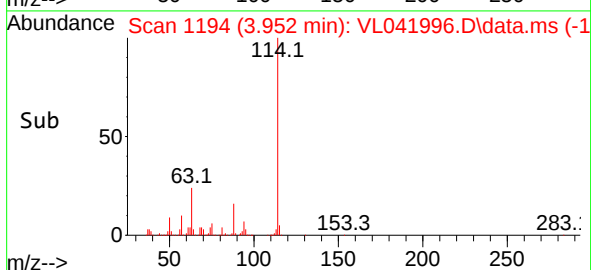
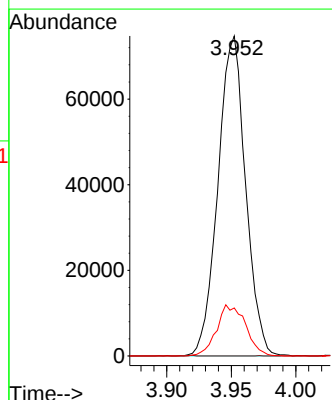
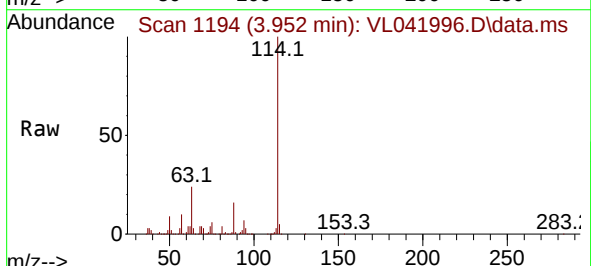
Tgt Ion: 63 Resp: 111269

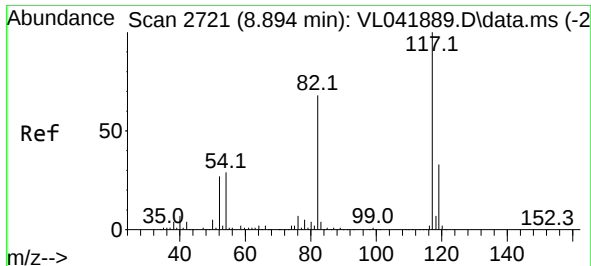
Ion Ratio Lower Upper

63 100

41 0.0 63.7 95.5#

62 15.0 55.4 83.2#

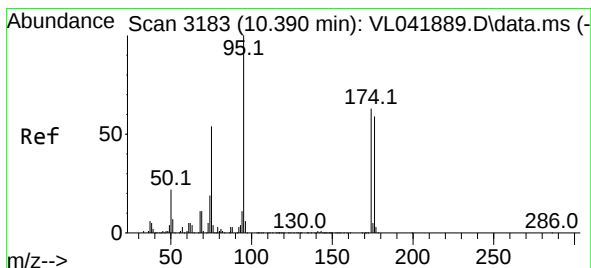
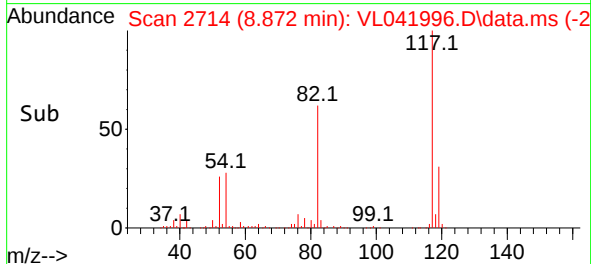
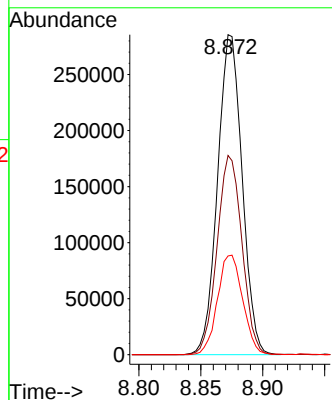
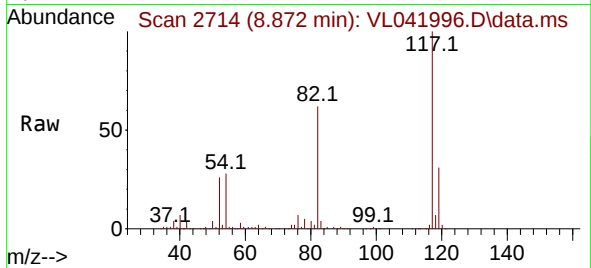




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 21
Delta R.T. -0.023 min
Lab File: VL041996.D
Acq: 11 Feb 2025 10:06

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 395237
Ion Ratio Lower Upper
117 100
82 63.0 54.2 81.4
119 31.9 25.0 37.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.854 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.019 min
Lab File: VL041996.D
Acq: 11 Feb 2025 10:06

Tgt Ion: 95 Resp: 306745
Ion Ratio Lower Upper
95 100
174 60.7 49.0 73.4
175 4.5 3.8 5.8

