

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020325\
 Data File : VL041963.D
 Acq On : 03 Feb 2025 14:28
 Operator : SY/MD
 Sample : Q1222-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Feb 04 02:36:48 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)

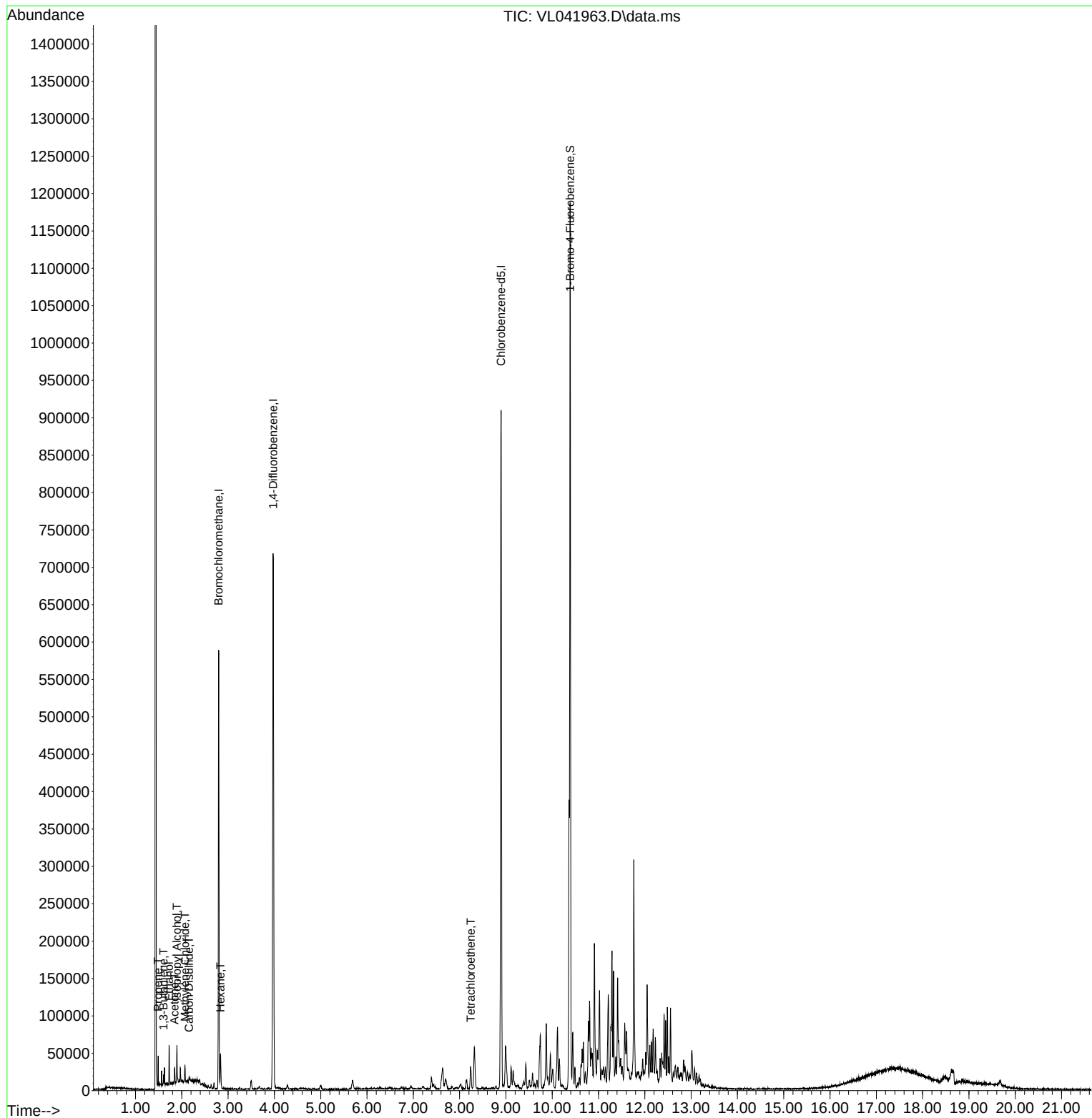
Internal Standards							
1) Bromochloromethane		2.797	49	160454	10.000	ppbv	0.00
33) 1,4-Difluorobenzene		3.971	114	441246	10.000	ppbv	0.00
55) Chlorobenzene-d5		8.894	117	386755	10.000	ppbv	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		10.386	95	306667	10.067	ppbv	0.00
Spiked Amount		10.000	Range	65 - 135	Recovery	= 100.700%	
Target Compounds							
							Qvalue
9) Propene		1.489	41	5326	0.565	ppbv	87
13) Ethanol		1.725	45	18048	26.124	ppbv	91
15) Acetone		1.842	43	8731	0.453	ppbv	98
16) 1,3-Butadiene		1.605	39	1687	0.195	ppbv #	34
19) Isopropyl Alcohol		1.894	45	20618	1.804	ppbv #	35
20) Methylene Chloride		2.068	84	3545	0.465	ppbv #	84
26) Hexane		2.832	57	10532	0.512	ppbv #	38
27) Carbon Disulfide		2.159	76	3973	0.195	ppbv #	1
52) Tetrachloroethene		8.241	164	5469	0.390	ppbv	92

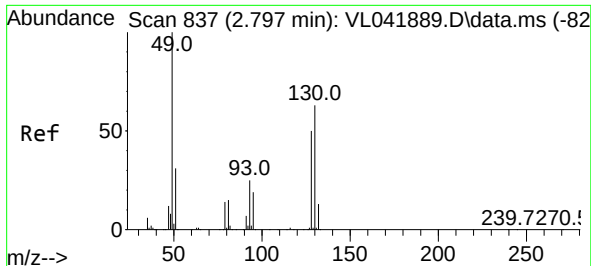
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.797 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL041963.D

Acq: 03 Feb 2025 14:28

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

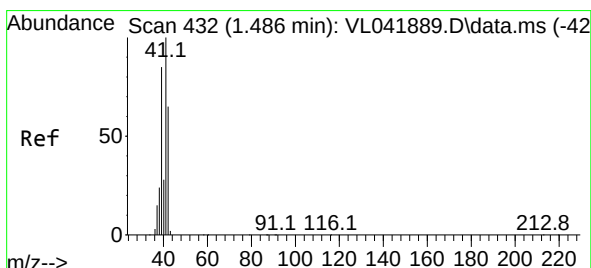
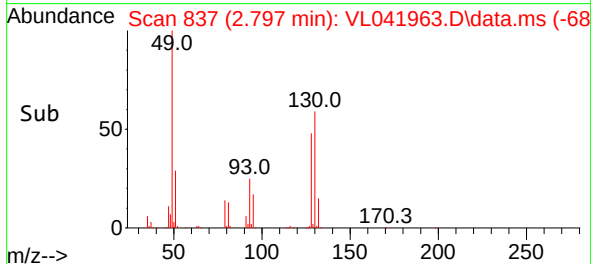
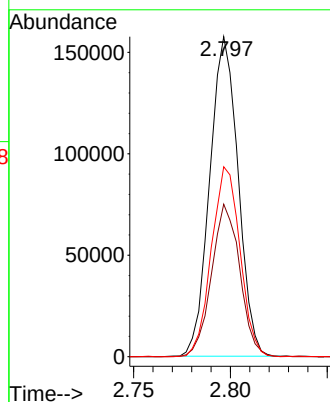
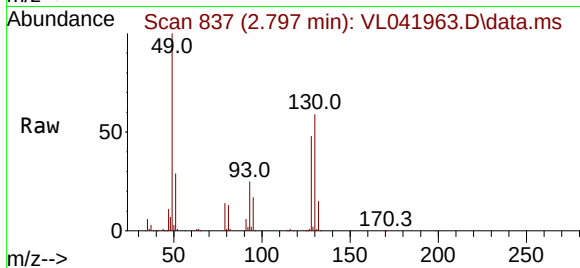
Tgt Ion: 49 Resp: 160454

Ion Ratio Lower Upper

49 100

128 47.6 24.3 73.0

130 60.0 31.1 93.2



#9

Propene

Concen: 0.565 ppbv

RT: 1.489 min Scan# 433

Delta R.T. 0.003 min

Lab File: VL041963.D

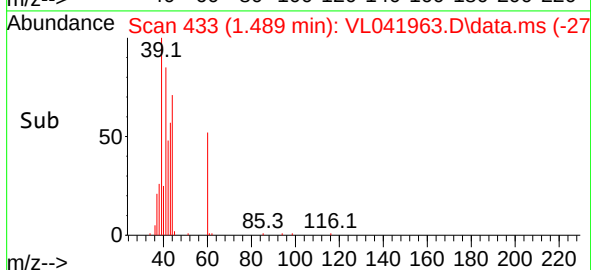
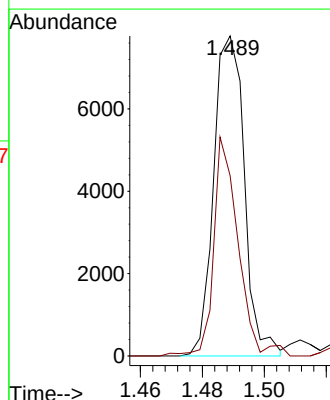
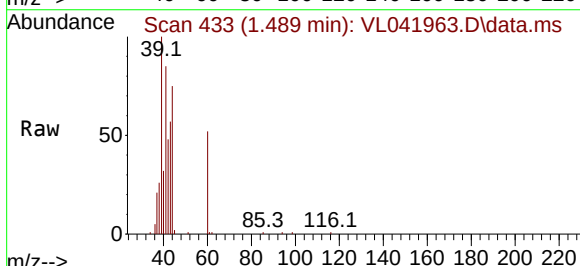
Acq: 03 Feb 2025 14:28

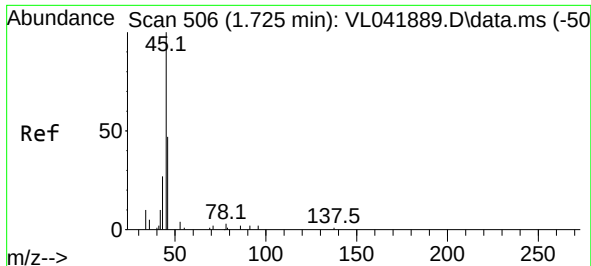
Tgt Ion: 41 Resp: 5326

Ion Ratio Lower Upper

41 100

42 54.4 52.0 78.0

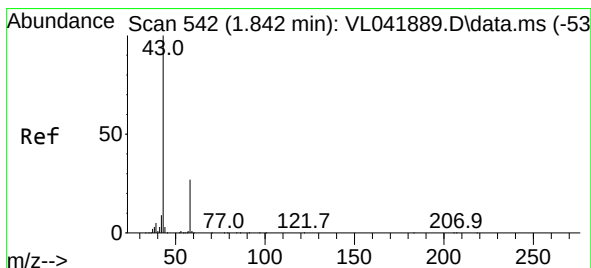
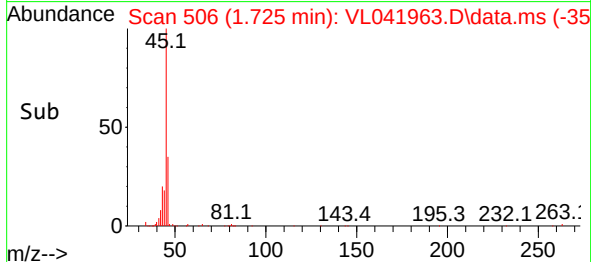
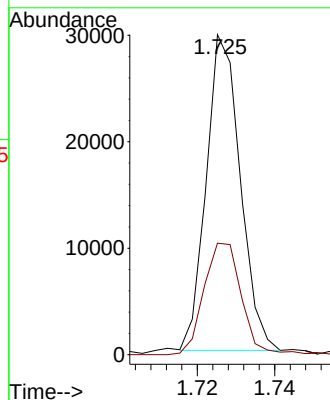
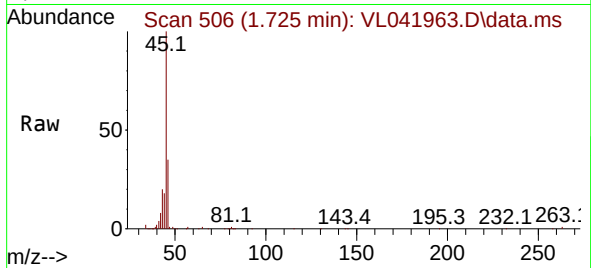




#13
Ethanol
Concen: 26.124 ppbv
RT: 1.725 min Scan# 506
Delta R.T. -0.000 min
Lab File: VL041963.D
Acq: 03 Feb 2025 14:28

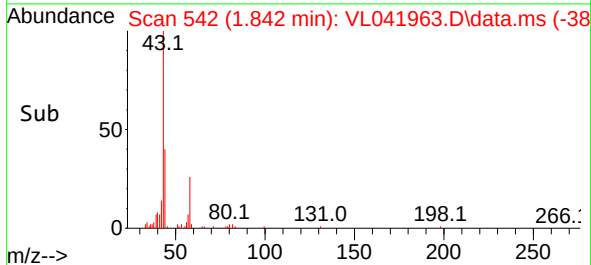
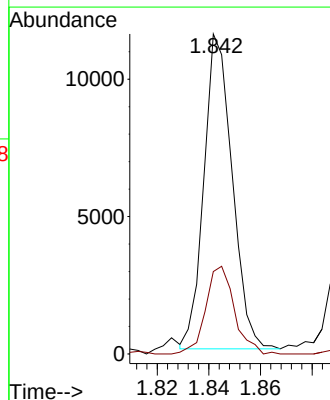
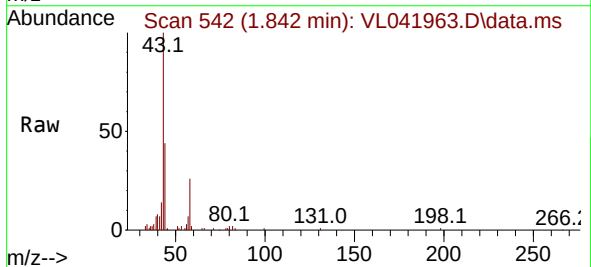
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

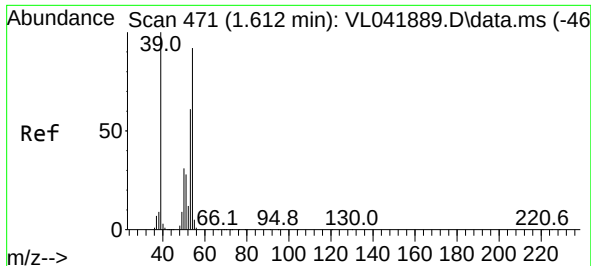
Tgt Ion: 45 Resp: 18048
Ion Ratio Lower Upper
45 100
46 39.3 18.1 72.5



#15
Acetone
Concen: 0.453 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.000 min
Lab File: VL041963.D
Acq: 03 Feb 2025 14:28

Tgt Ion: 43 Resp: 8731
Ion Ratio Lower Upper
43 100
58 28.6 21.9 32.9

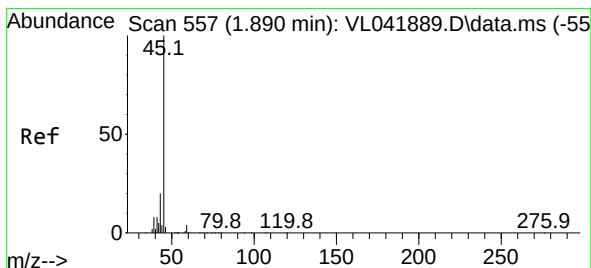
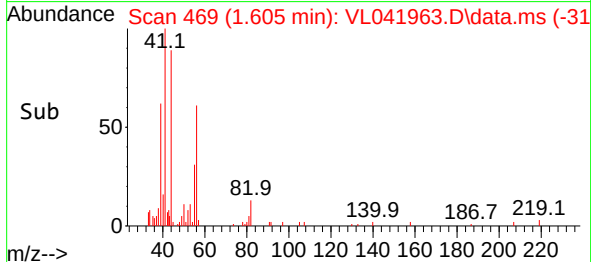
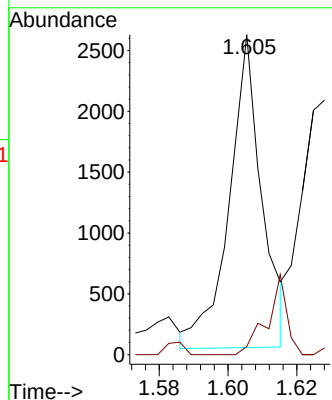
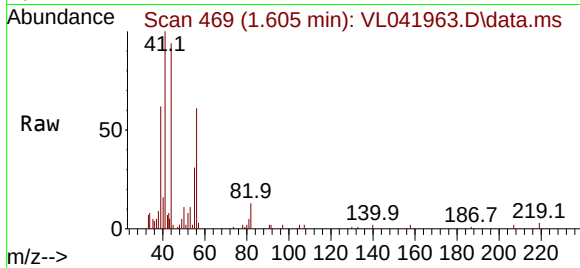




#16
1,3-Butadiene
Concen: 0.195 ppbv
RT: 1.605 min Scan# 41
Delta R.T. -0.007 min
Lab File: VL041963.D
Acq: 03 Feb 2025 14:28

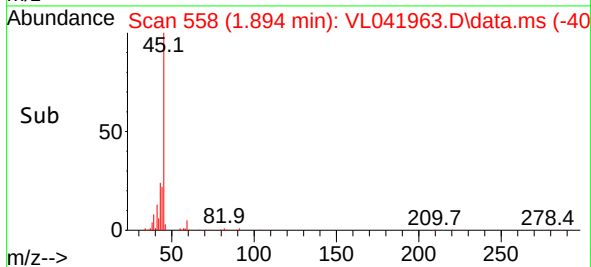
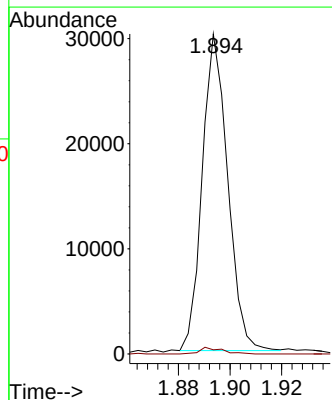
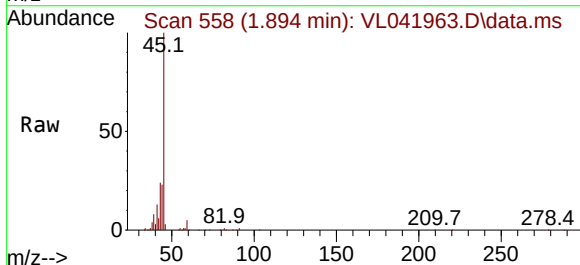
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

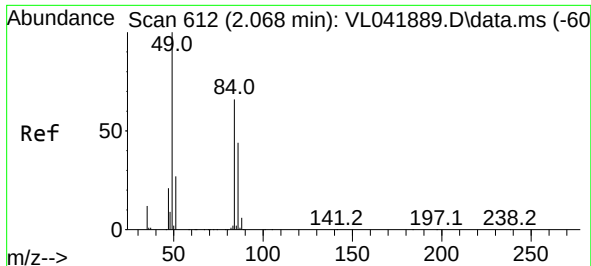
Tgt Ion: 39 Resp: 1687
Ion Ratio Lower Upper
39 100
54 20.3 61.6 92.4#



#19
Isopropyl Alcohol
Concen: 1.804 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.003 min
Lab File: VL041963.D
Acq: 03 Feb 2025 14:28

Tgt Ion: 45 Resp: 20618
Ion Ratio Lower Upper
45 100
58 1.9 35.0 52.6#

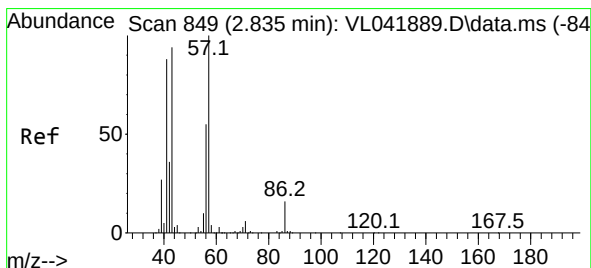
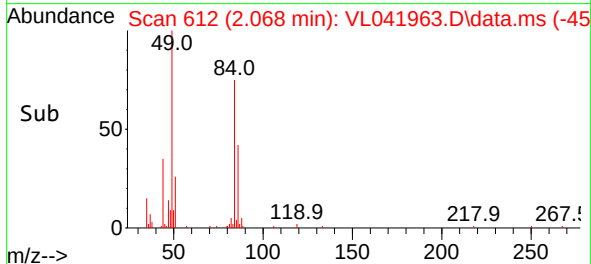
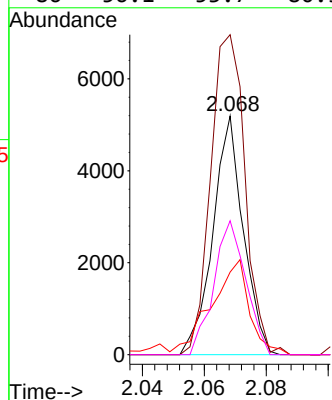
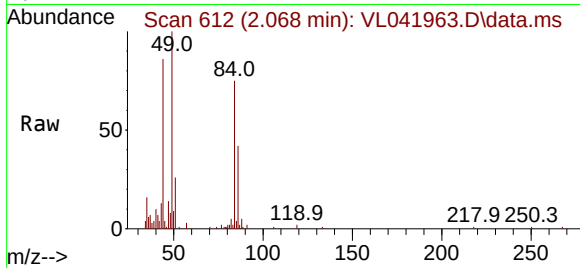




#20
Methylene Chloride
Concen: 0.465 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL041963.D
Acq: 03 Feb 2025 14:28

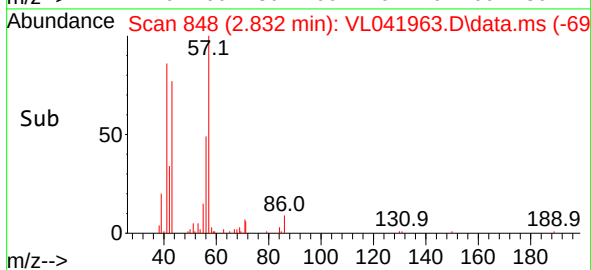
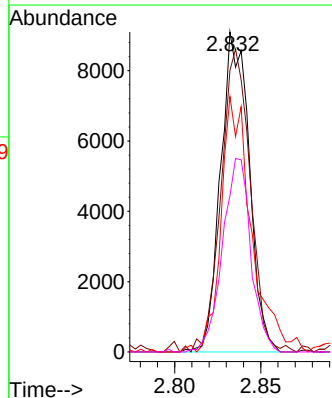
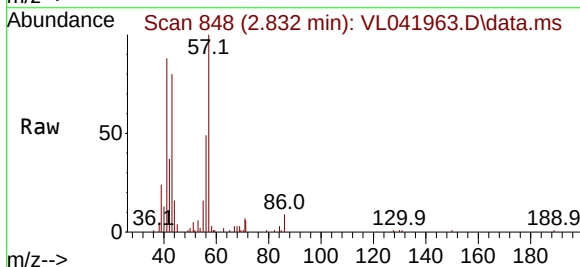
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

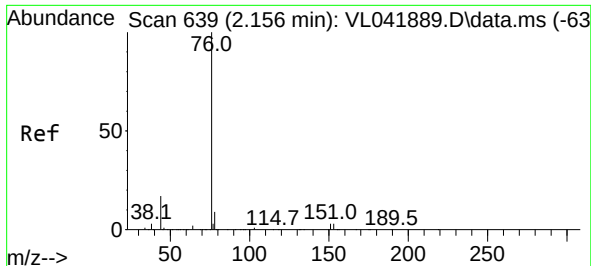
Tgt Ion: 84	Resp: 3545
Ion Ratio	Lower Upper
84 100	
49 134.0	123.1 184.7
51 32.1	35.8 53.8#
86 56.1	53.7 80.5



#26
Hexane
Concen: 0.512 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.003 min
Lab File: VL041963.D
Acq: 03 Feb 2025 14:28

Tgt Ion: 57	Resp: 10532
Ion Ratio	Lower Upper
57 100	
41 100.8	73.8 110.8
43 84.7	197.3 295.9#
56 59.9	42.7 64.1





#27

Carbon Disulfide

Concen: 0.195 ppbv

RT: 2.159 min Scan# 640

Delta R.T. 0.003 min

Lab File: VL041963.D

Acq: 03 Feb 2025 14:28

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

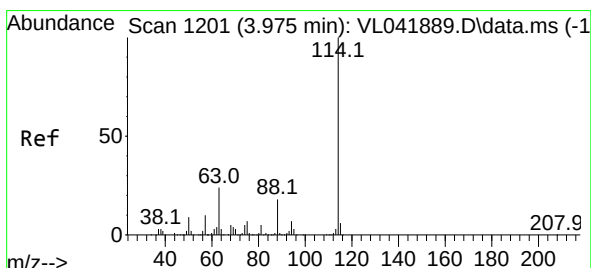
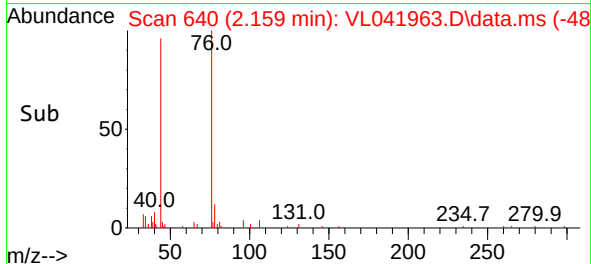
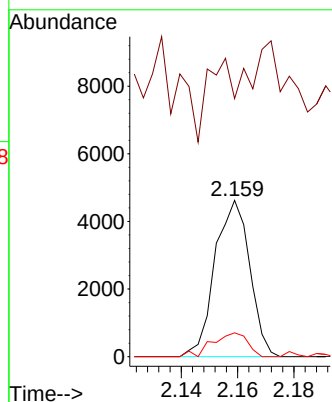
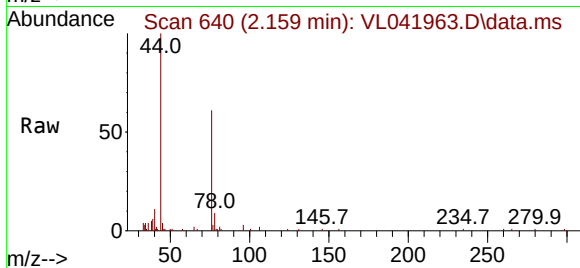
Tgt Ion: 76 Resp: 3973

Ion Ratio Lower Upper

76 100

44 351.4 15.4 23.0#

78 19.4 9.3 13.9#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.971 min Scan# 1200

Delta R.T. -0.003 min

Lab File: VL041963.D

Acq: 03 Feb 2025 14:28

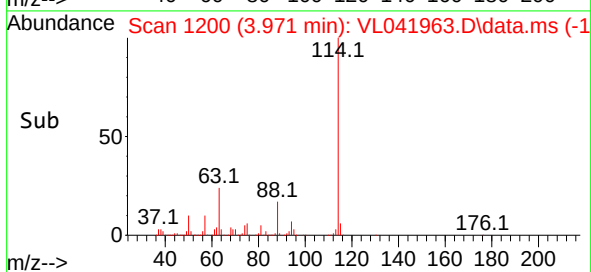
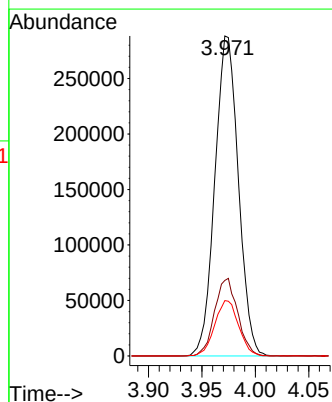
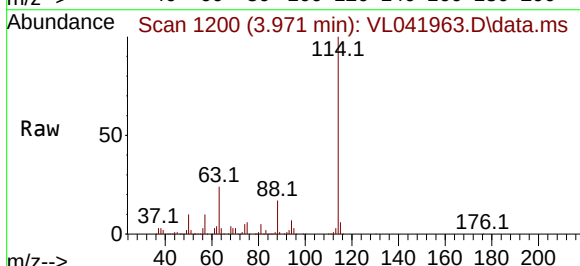
Tgt Ion: 114 Resp: 441246

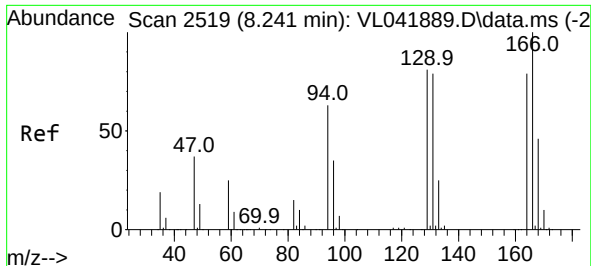
Ion Ratio Lower Upper

114 100

63 23.9 19.8 29.6

88 17.6 14.4 21.6



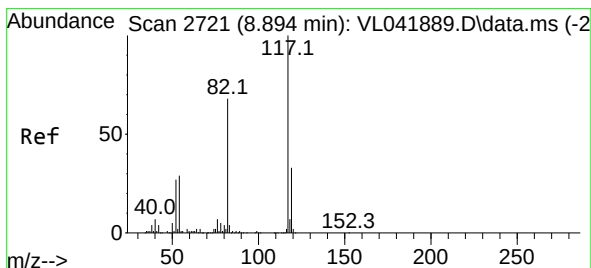
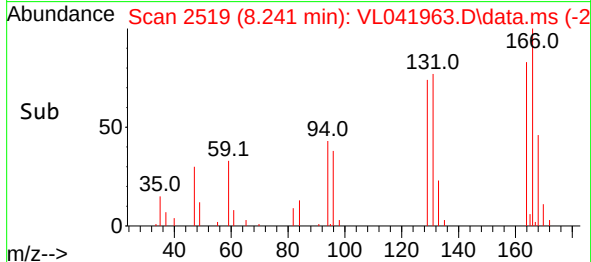
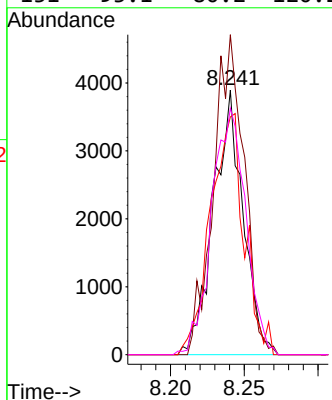
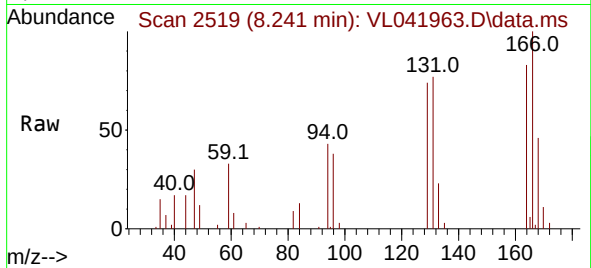


#52
Tetrachloroethene
Concen: 0.390 ppbv
RT: 8.241 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL041963.D
Acq: 03 Feb 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion:164 Resp: 5469

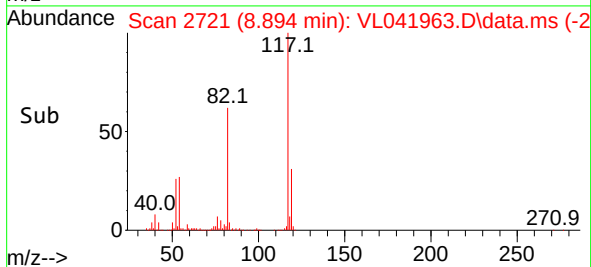
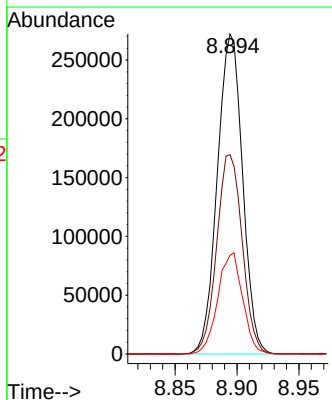
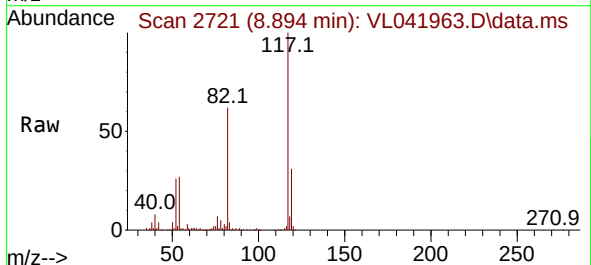
Ion	Ratio	Lower	Upper
164	100		
166	120.9	100.8	151.2
129	89.9	82.0	123.0
131	93.1	80.2	120.2

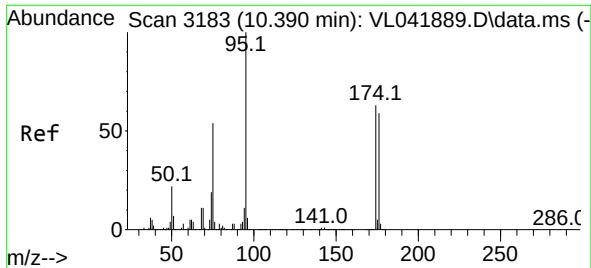


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.894 min Scan# 2721
Delta R.T. -0.000 min
Lab File: VL041963.D
Acq: 03 Feb 2025 14:28

Tgt Ion:117 Resp: 386755

Ion	Ratio	Lower	Upper
117	100		
82	63.0	54.2	81.4
119	31.1	25.0	37.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.067 ppbv
 RT: 10.386 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VL041963.D
 Acq: 03 Feb 2025 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Tgt Ion: 95 Resp: 306667
 Ion Ratio Lower Upper
 95 100
 174 61.2 49.0 73.4
 175 4.8 3.8 5.8

