

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052424\
 Data File : VL041287.D
 Acq On : 24 May 2024 12:22
 Operator : SY/MD
 Sample : P2599-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 24 23:20:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 24 23:11:50 2024
 Response via : Initial Calibration

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

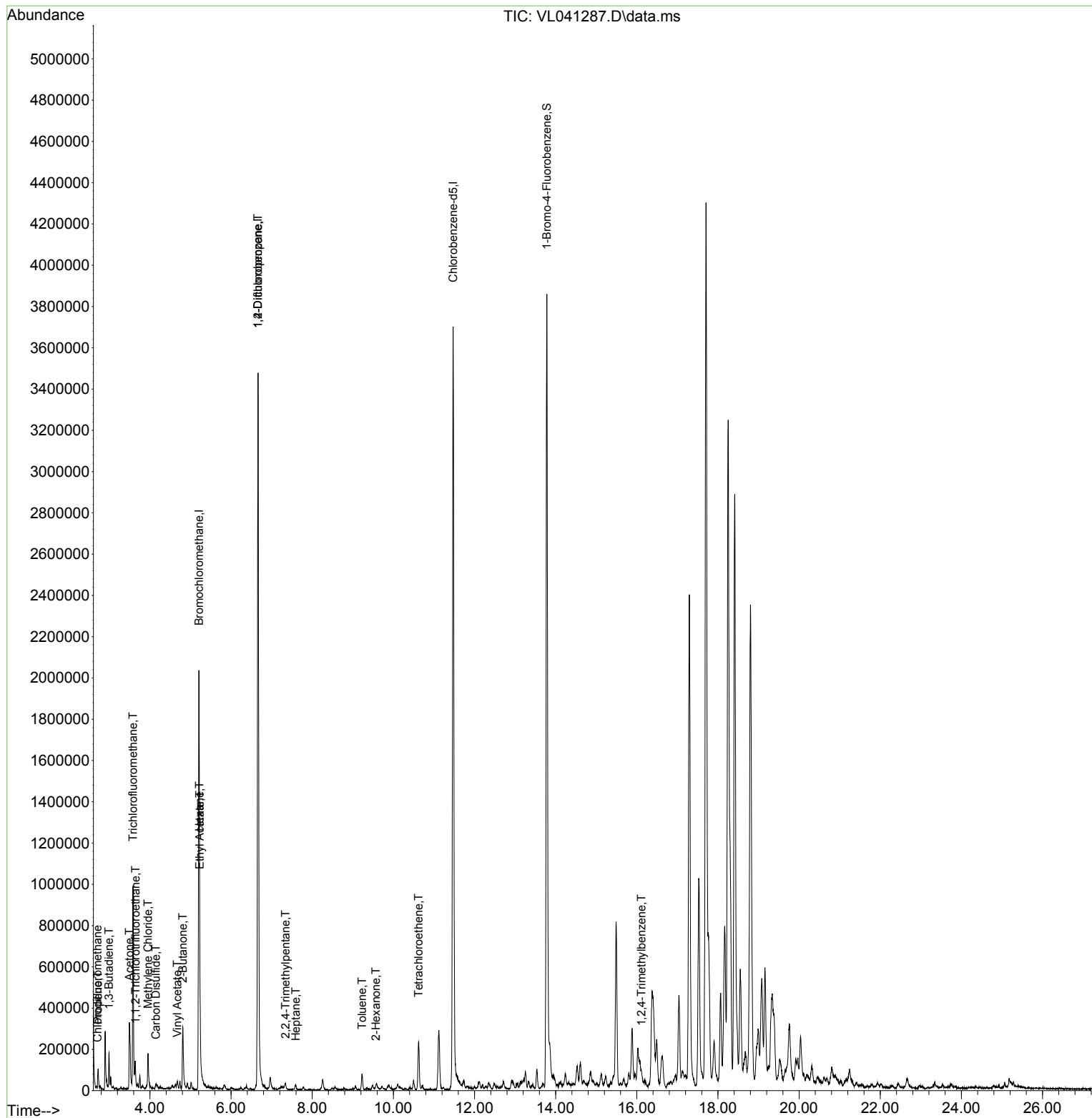
Internal Standards						
1) Bromochloromethane	5.208	49	1021934	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2690644	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2451037	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1924249	10.399	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 104.000%	
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.703	51	8551	0.055	ppbv	98
9) Propene	2.722	41	38112	0.627	ppbv	99
10) Heptane	7.594	43	7723	0.052	ppbv #	59
11) Trichlorofluoromethane	3.584	101	621973	4.427	ppbv	100
12) 1,1,2-Trichlorotrifluo...	3.645	101	4712	0.045	ppbv #	14
15) Acetone	3.497	43	363027	3.010	ppbv #	89
16) 1,3-Butadiene	2.989	39	42047	0.691	ppbv #	20
20) Methylene Chloride	3.951	84	51698	1.233	ppbv	98
23) Vinyl Acetate	4.674	43	14905	0.112	ppbv #	55
25) Ethyl Acetate	5.227	43	77219	0.321	ppbv #	77
26) Hexane	5.224	57	62056	0.578	ppbv #	32
27) Carbon Disulfide	4.147	76	23077	0.181	ppbv #	68
34) 2-Butanone	4.812	43	379057	2.768	ppbv	98
39) 1,2-Dichloropropane	6.664	63	681822	7.835	ppbv #	23
44) 2,2,4-Trimethylpentane	7.340	57	14879	0.038	ppbv #	2
51) 2-Hexanone	9.568	43	11565	0.063	ppbv #	29
52) Tetrachloroethene	10.622	164	57429	0.724	ppbv	87
53) Toluene	9.227	91	47073	0.180	ppbv	100
74) 1,2,4-Trimethylbenzene	16.114	105	38535	0.130	ppbv #	63

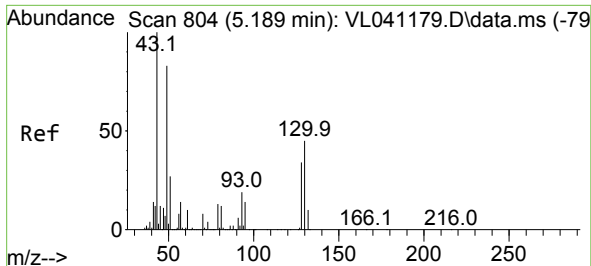
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052424\
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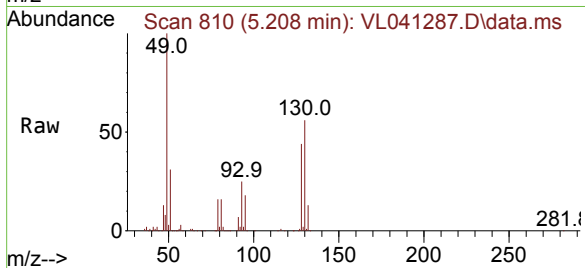
Quant Time: May 24 23:20:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri May 24 23:11:50 2024
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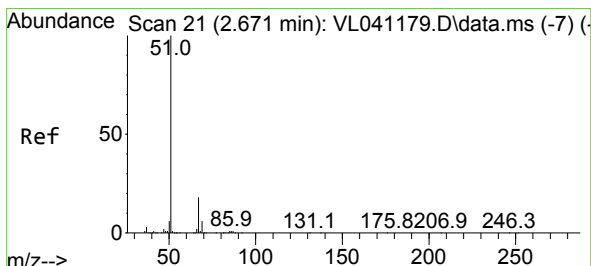
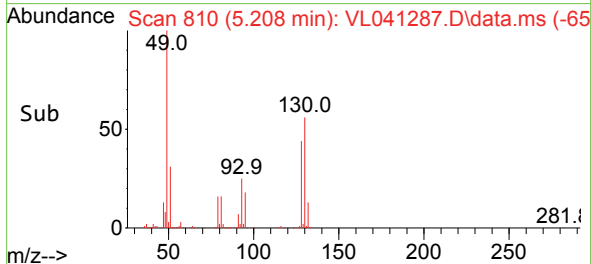
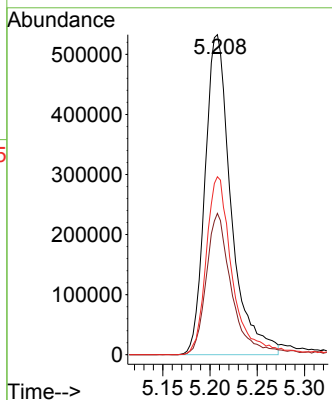
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.208 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL041287.D
 Acq: 24 May 2024 12:22

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 49 Resp: 1021934

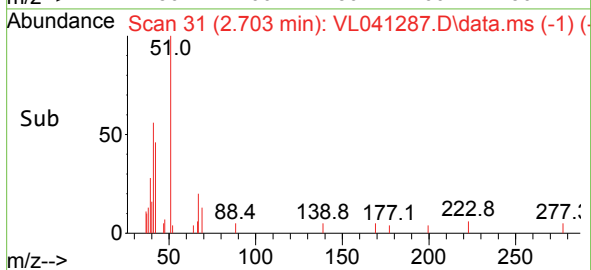
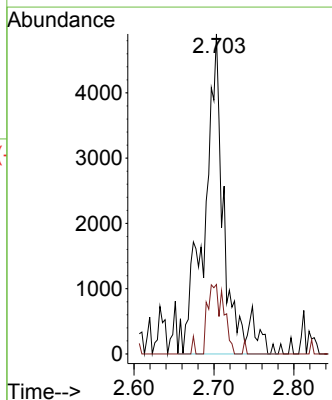
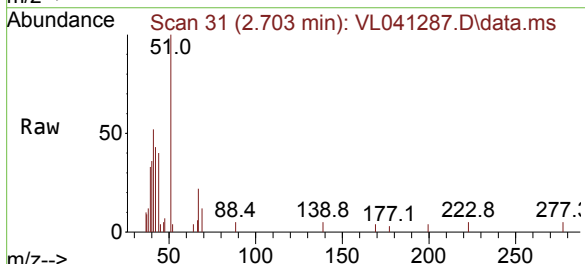
Ion	Ratio	Lower	Upper
49	100		
128	45.0	21.5	64.5
130	57.6	27.2	81.6

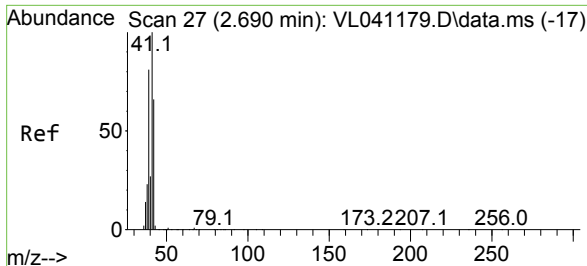


#3
 Chlorodifluoromethane
 Concen: 0.055 ppbv
 RT: 2.703 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VL041287.D
 Acq: 24 May 2024 12:22

Tgt Ion: 51 Resp: 8551

Ion	Ratio	Lower	Upper
51	100		
67	18.5	14.0	21.0

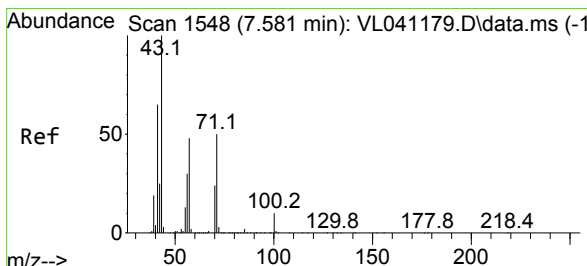
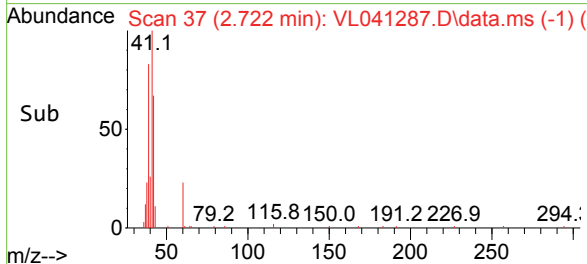
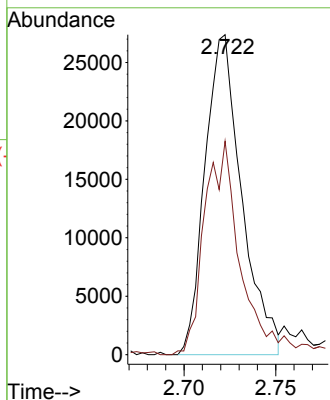
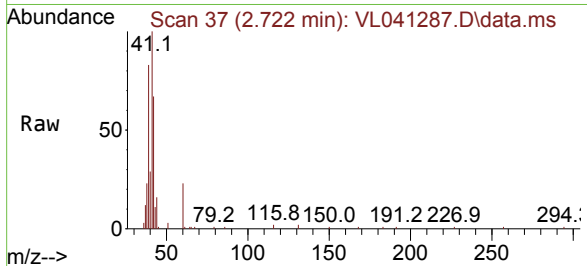




#9
Propene
Concen: 0.627 ppbv
RT: 2.722 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041287.D
Acq: 24 May 2024 12:22

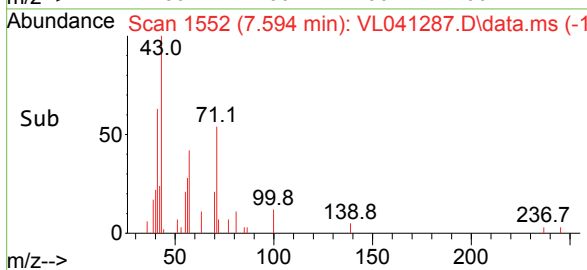
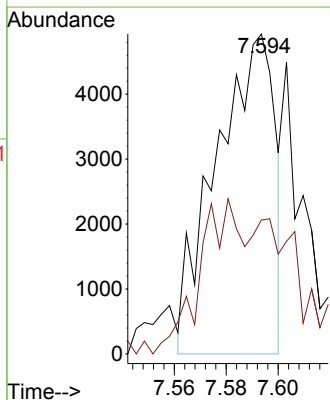
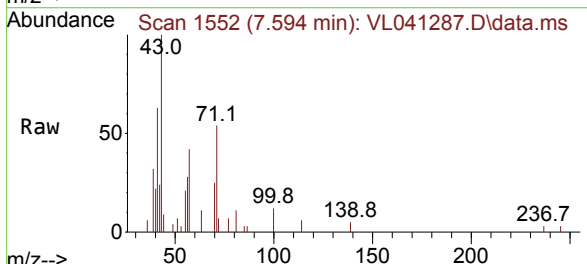
Instrument :
MSVOA_L
ClientSampleId :

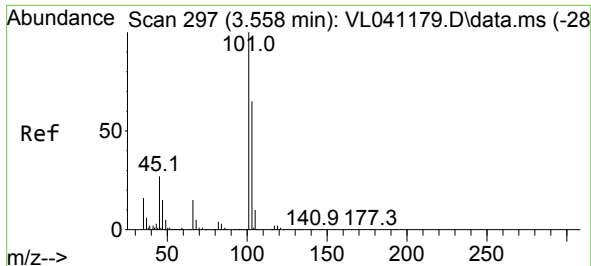
Tgt Ion: 41 Resp: 38112
Ion Ratio Lower Upper
41 100
42 68.0 55.3 82.9



#10
Heptane
Concen: 0.052 ppbv
RT: 7.594 min Scan# 1552
Delta R.T. 0.003 min
Lab File: VL041287.D
Acq: 24 May 2024 12:22

Tgt Ion: 43 Resp: 7723
Ion Ratio Lower Upper
43 100
57 76.0 38.7 58.1#

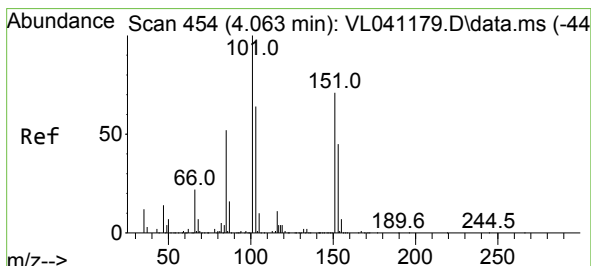
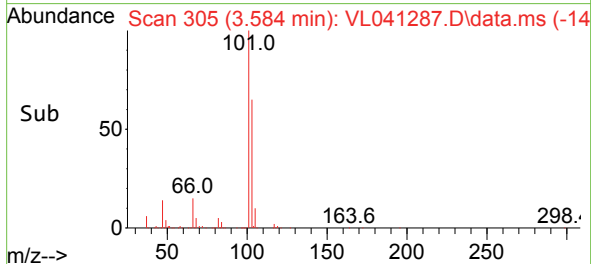
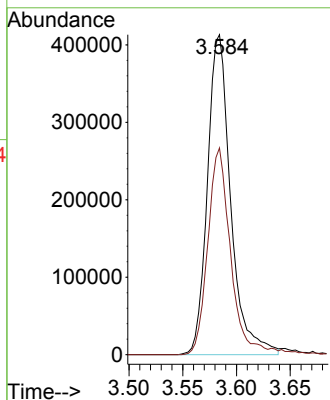
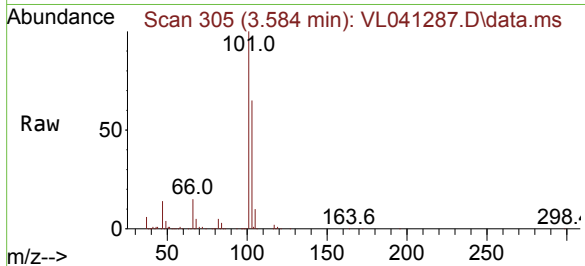




#11
 Trichlorofluoromethane
 Concen: 4.427 ppbv
 RT: 3.584 min Scan# 305
 Delta R.T. -0.000 min
 Lab File: VL041287.D
 Acq: 24 May 2024 12:22

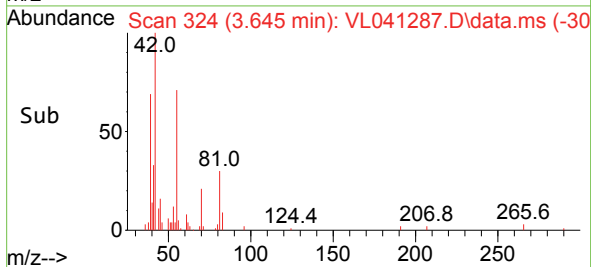
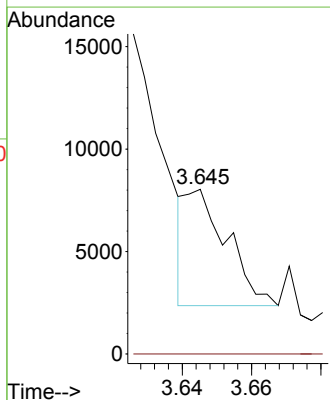
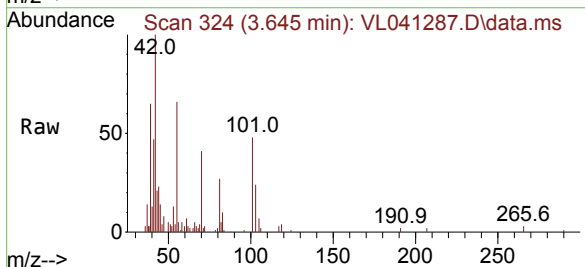
Instrument :
 MSVOA_L
 ClientSampleId :

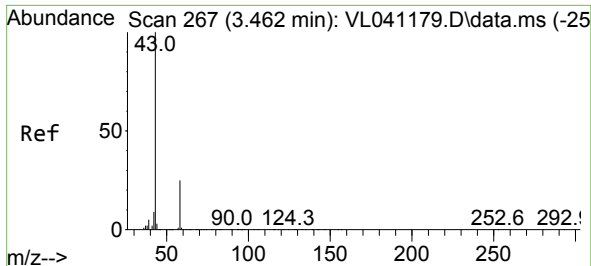
Tgt Ion:101 Resp: 621973
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.6 77.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.045 ppbv
 RT: 3.645 min Scan# 324
 Delta R.T. -0.437 min
 Lab File: VL041287.D
 Acq: 24 May 2024 12:22

Tgt Ion:101 Resp: 4712
 Ion Ratio Lower Upper
 101 100
 151 0.0 56.8 85.2#

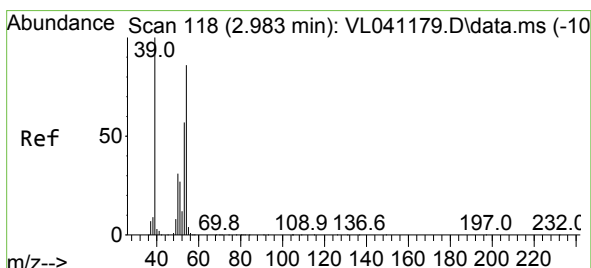
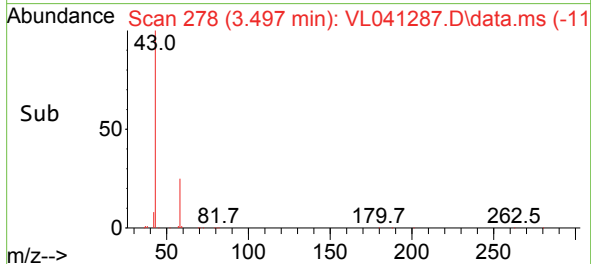
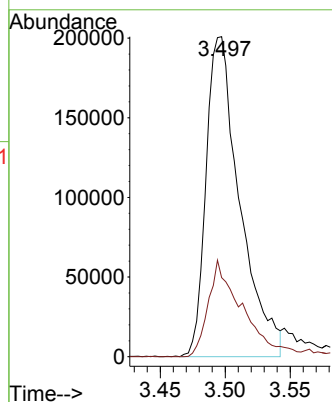
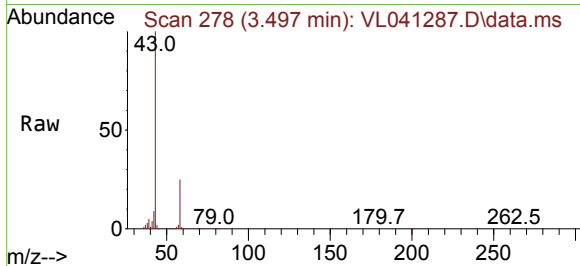




#15
Acetone
Concen: 3.010 ppbv
RT: 3.497 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL041287.D
Acq: 24 May 2024 12:22

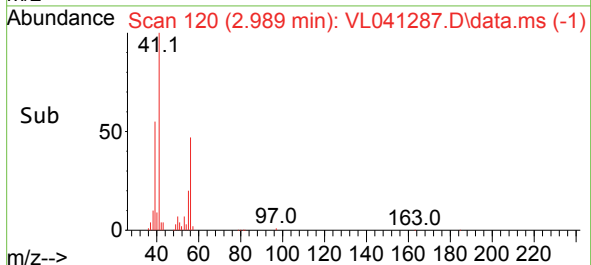
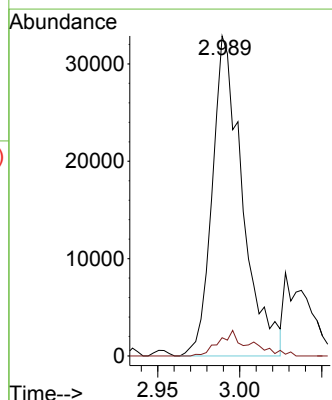
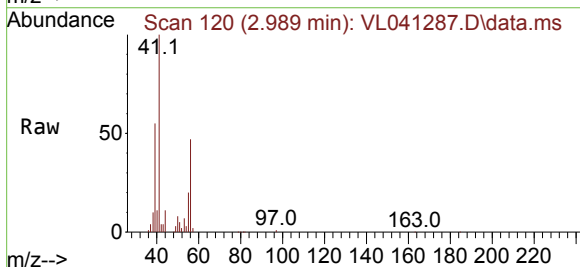
Instrument :
MSVOA_L
ClientSampleId :

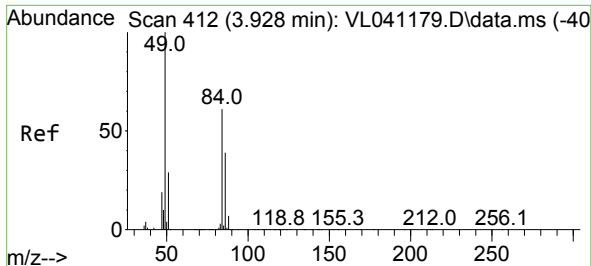
Tgt Ion: 43 Resp: 363027
Ion Ratio Lower Upper
43 100
58 32.2 21.4 32.0#



#16
1,3-Butadiene
Concen: 0.691 ppbv
RT: 2.989 min Scan# 120
Delta R.T. -0.019 min
Lab File: VL041287.D
Acq: 24 May 2024 12:22

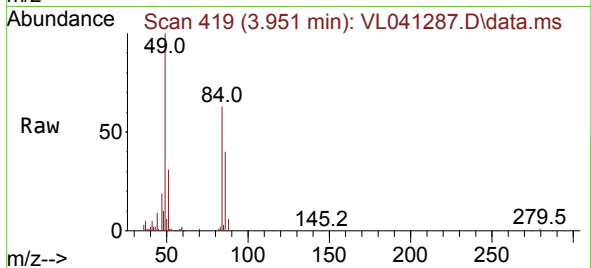
Tgt Ion: 39 Resp: 42047
Ion Ratio Lower Upper
39 100
54 8.2 62.2 93.4#





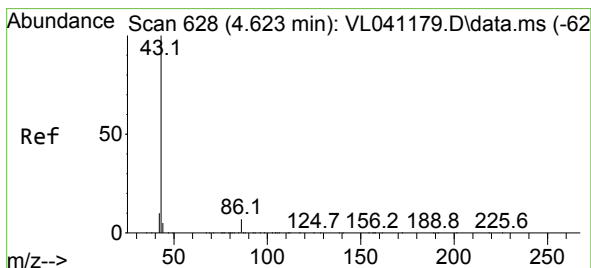
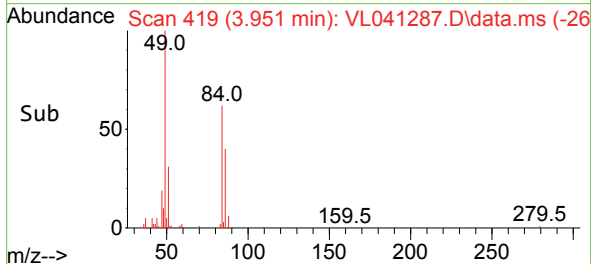
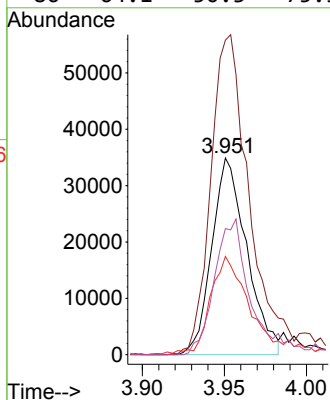
#20
Methylene Chloride
Concen: 1.233 ppbv
RT: 3.951 min Scan# 412
Delta R.T. -0.000 min
Lab File: VL041287.D
Acq: 24 May 2024 12:22

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 84 Resp: 51698

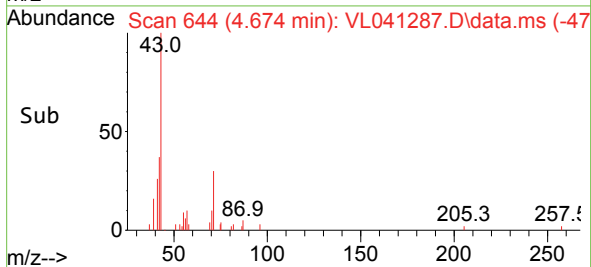
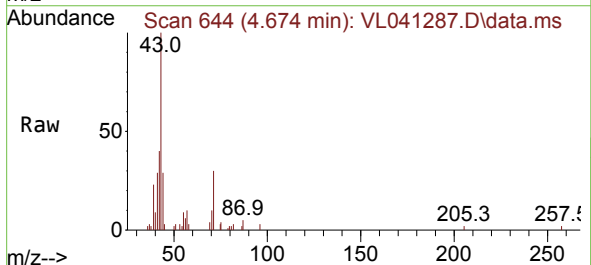
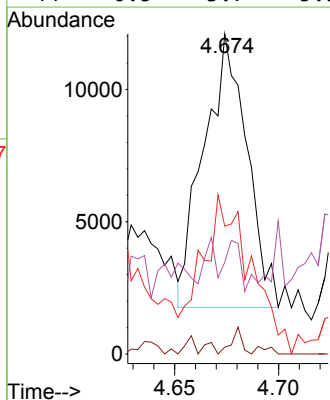
Ion	Ratio	Lower	Upper
84	100		
49	159.5	130.4	195.6
51	47.9	38.0	57.0
86	64.1	50.3	75.5

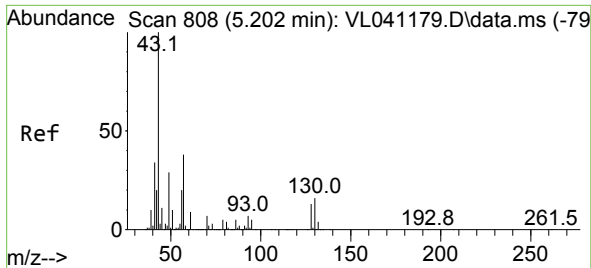


#23
Vinyl Acetate
Concen: 0.112 ppbv
RT: 4.674 min Scan# 644
Delta R.T. 0.032 min
Lab File: VL041287.D
Acq: 24 May 2024 12:22

Tgt Ion: 43 Resp: 14905

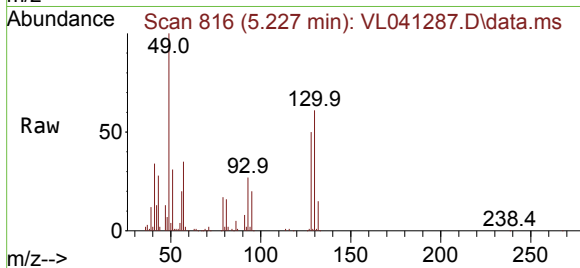
Ion	Ratio	Lower	Upper
43	100		
86	2.5	4.9	7.3#
42	39.8	8.0	12.0#
44	0.5	3.7	5.5#



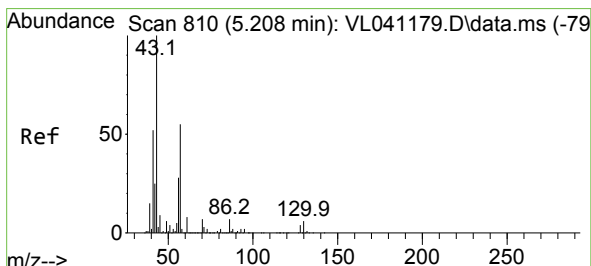
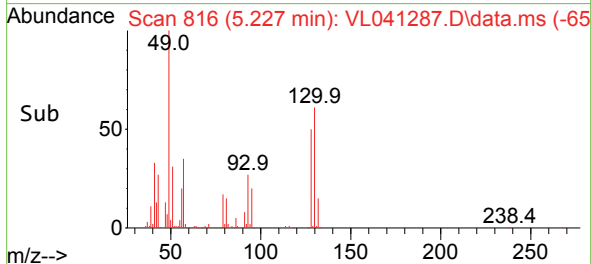
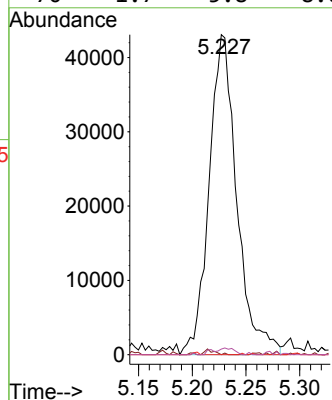


#25
Ethyl Acetate
Concen: 0.321 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.010 min
Lab File: VL041287.D
Acq: 24 May 2024 12:22

Instrument :
MSVOA_L
ClientSampleId :

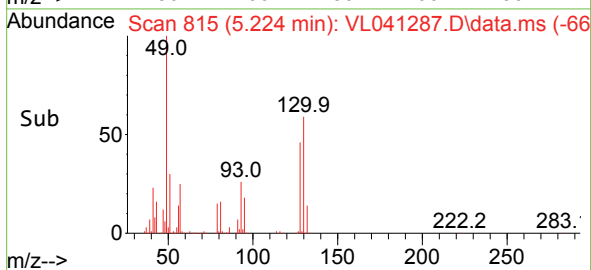
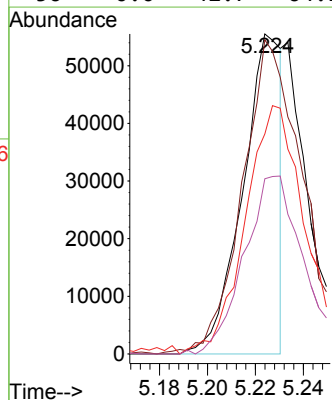
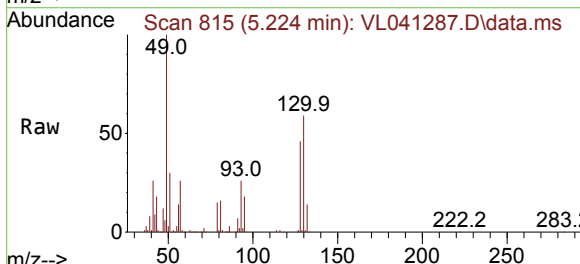


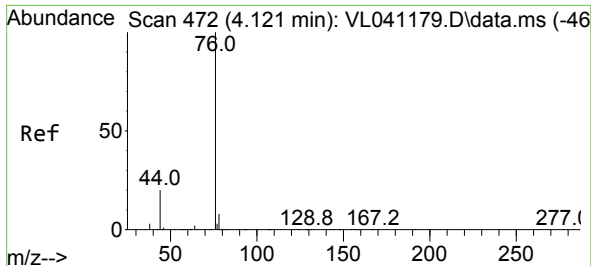
Tgt Ion: 43 Resp: 77219
Ion Ratio Lower Upper
43 100
45 0.6 8.2 12.2#
61 0.0 7.7 11.5#
70 1.7 5.8 8.6#



#26
Hexane
Concen: 0.578 ppbv
RT: 5.224 min Scan# 815
Delta R.T. -0.003 min
Lab File: VL041287.D
Acq: 24 May 2024 12:22

Tgt Ion: 57 Resp: 62056
Ion Ratio Lower Upper
57 100
41 160.1 75.8 113.8#
43 122.6 187.0 280.4#
56 0.0 42.7 64.1#

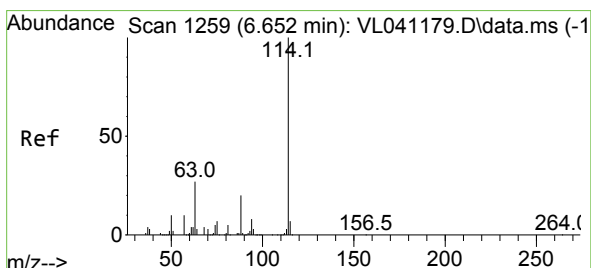
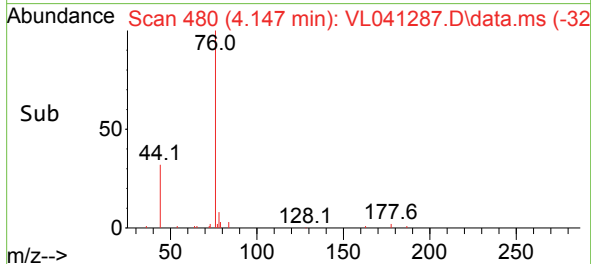
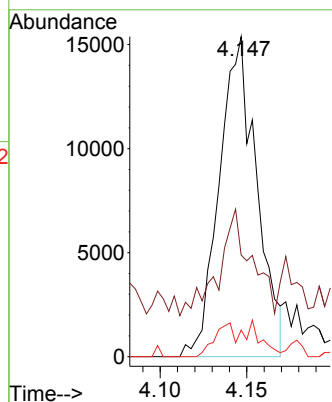
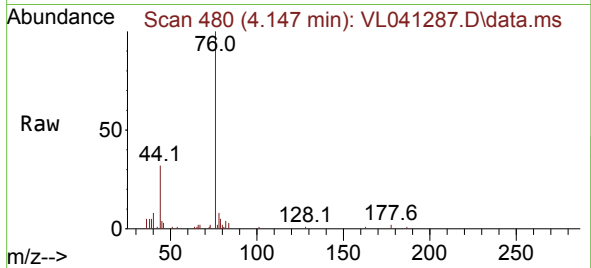




#27
Carbon Disulfide
Concen: 0.181 ppbv
RT: 4.147 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041287.D
Acq: 24 May 2024 12:22

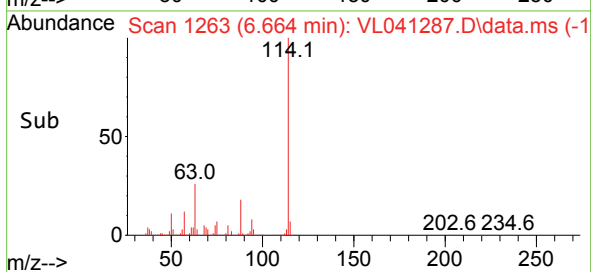
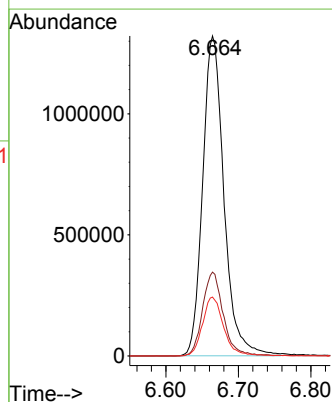
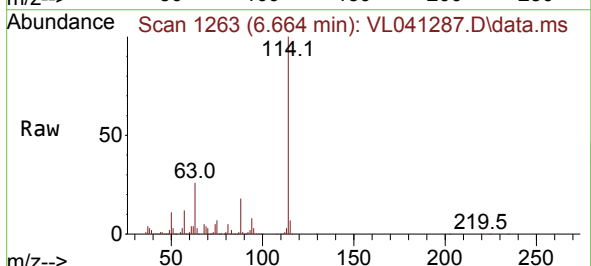
Instrument :
MSVOA_L
ClientSampleId :

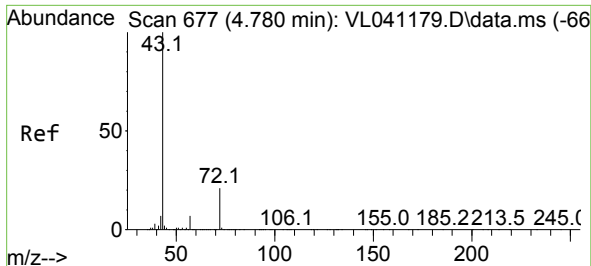
Tgt Ion: 76 Resp: 23077
Ion Ratio Lower Upper
76 100
44 39.5 16.3 24.5#
78 13.0 7.3 10.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 1263
Delta R.T. -0.003 min
Lab File: VL041287.D
Acq: 24 May 2024 12:22

Tgt Ion:114 Resp: 2690644
Ion Ratio Lower Upper
114 100
63 25.8 21.8 32.6
88 18.4 15.2 22.8

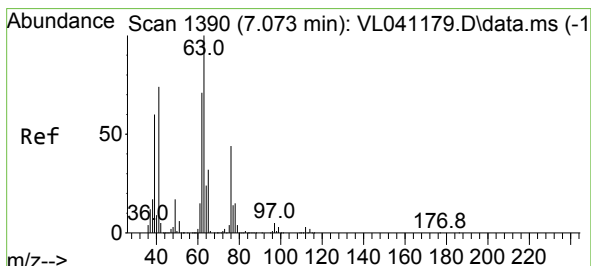
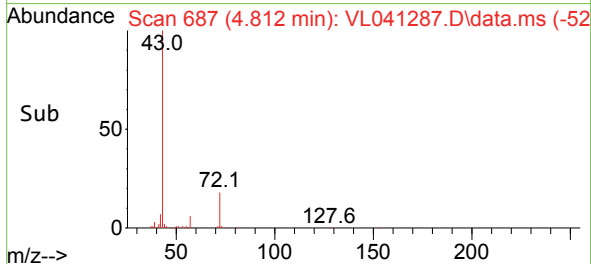
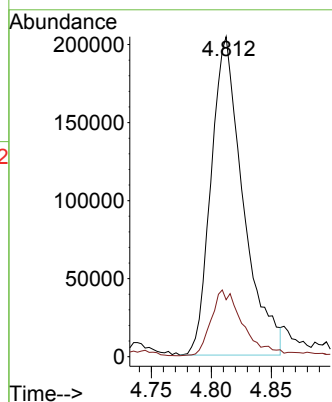
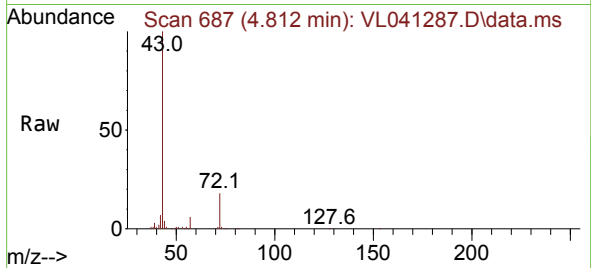




#34
2-Butanone
Concen: 2.768 ppbv
RT: 4.812 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL041287.D
Acq: 24 May 2024 12:22

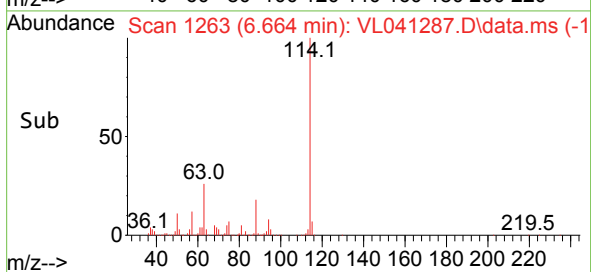
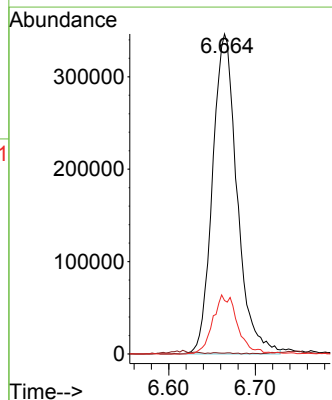
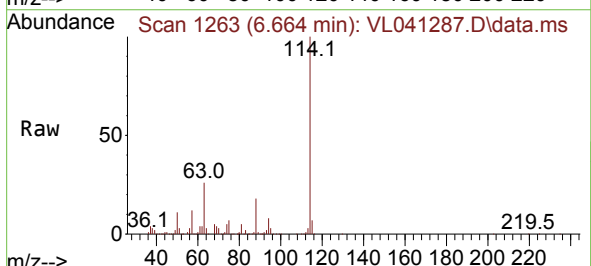
Instrument :
MSVOA_L
ClientSampleId :

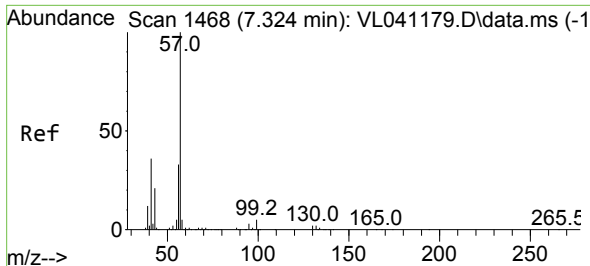
Tgt Ion: 43 Resp: 379057
Ion Ratio Lower Upper
43 100
72 22.5 17.3 25.9



#39
1,2-Dichloropropane
Concen: 7.835 ppbv
RT: 6.664 min Scan# 1263
Delta R.T. -0.421 min
Lab File: VL041287.D
Acq: 24 May 2024 12:22

Tgt Ion: 63 Resp: 681822
Ion Ratio Lower Upper
63 100
41 0.0 59.4 89.0#
62 16.7 56.8 85.2#

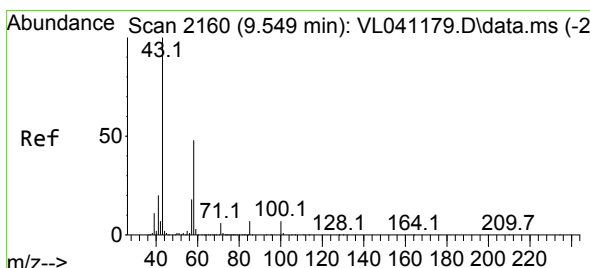
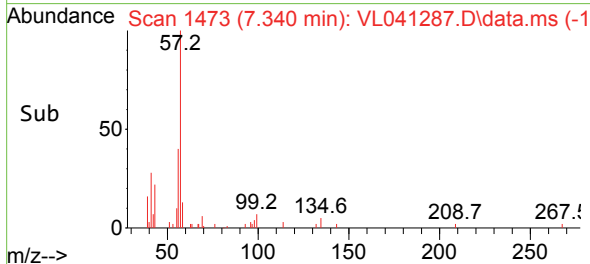
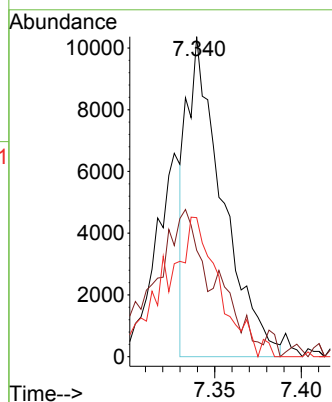
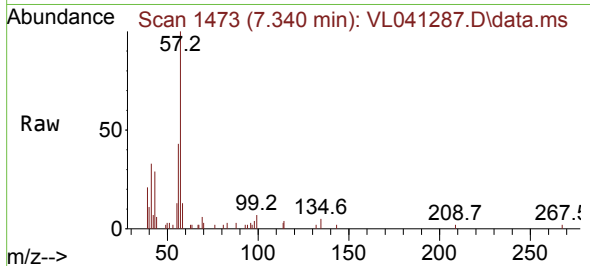




#44
2,2,4-Trimethylpentane
Concen: 0.038 ppbv
RT: 7.340 min Scan# 1468
Delta R.T. 0.003 min
Lab File: VL041287.D
Acq: 24 May 2024 12:22

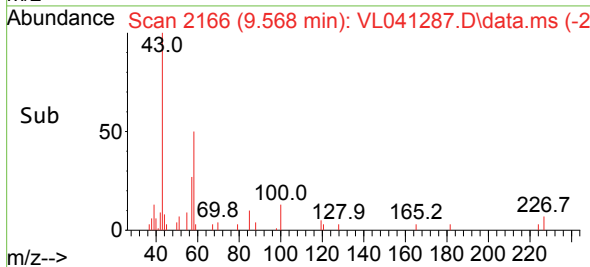
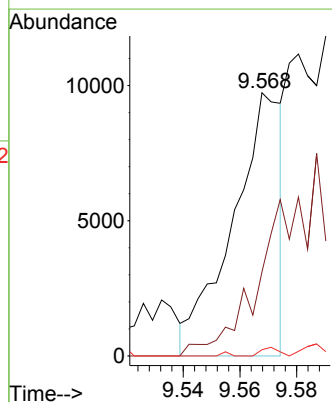
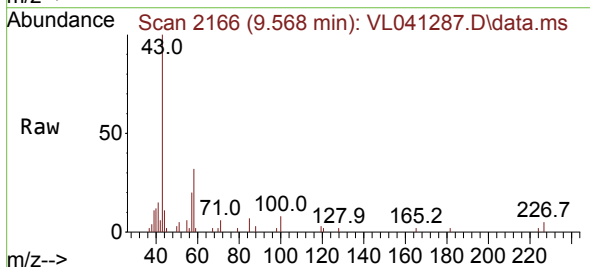
Instrument :
MSVOA_L
ClientSampleId :

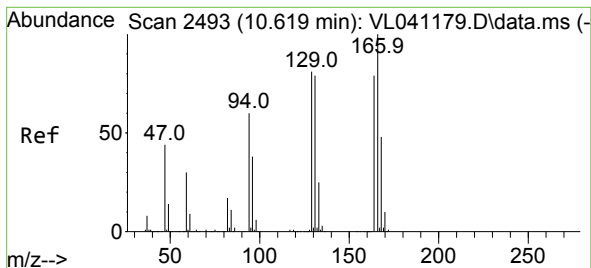
Tgt Ion: 57 Resp: 14879
Ion Ratio Lower Upper
57 100
41 80.7 29.5 44.3#
56 101.2 25.3 37.9#



#51
2-Hexanone
Concen: 0.063 ppbv
RT: 9.568 min Scan# 2166
Delta R.T. 0.010 min
Lab File: VL041287.D
Acq: 24 May 2024 12:22

Tgt Ion: 43 Resp: 11565
Ion Ratio Lower Upper
43 100
58 0.0 38.4 57.6#
98 0.0 0.0 0.0





#52

Tetrachloroethene

Concen: 0.724 ppbv

RT: 10.622 min Scan# 2494

Delta R.T. -0.000 min

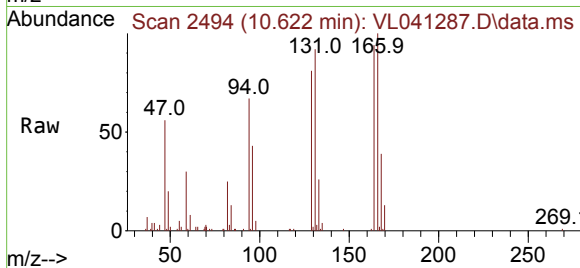
Lab File: VL041287.D

Acq: 24 May 2024 12:22

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:164 Resp: 57429

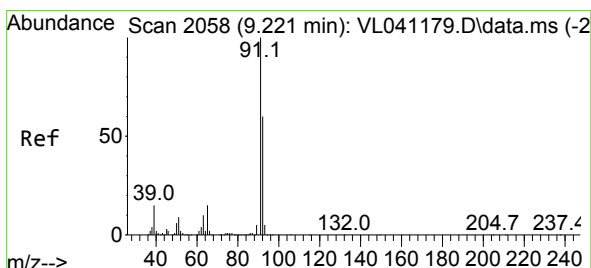
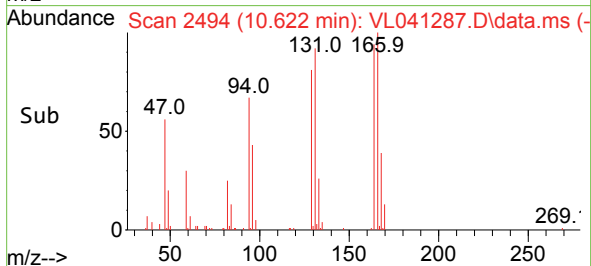
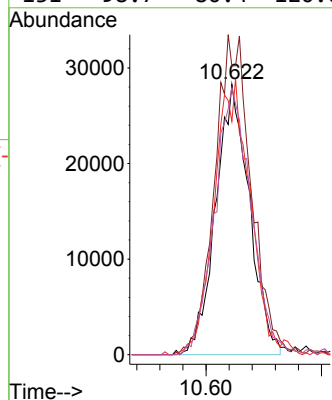
Ion Ratio Lower Upper

164 100

166 105.8 101.1 151.7

129 85.2 81.7 122.5

131 98.7 80.4 120.6



#53

Toluene

Concen: 0.180 ppbv

RT: 9.227 min Scan# 2060

Delta R.T. -0.003 min

Lab File: VL041287.D

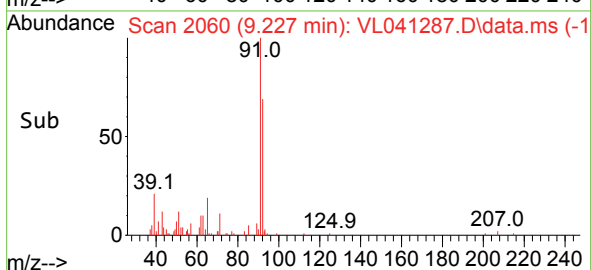
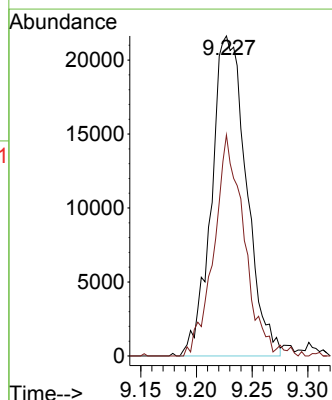
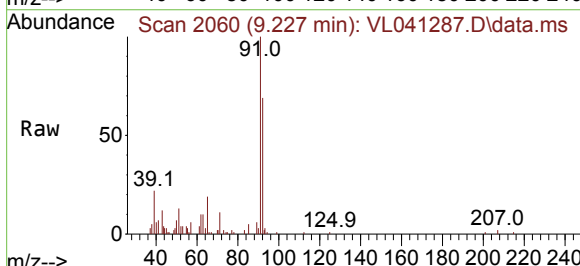
Acq: 24 May 2024 12:22

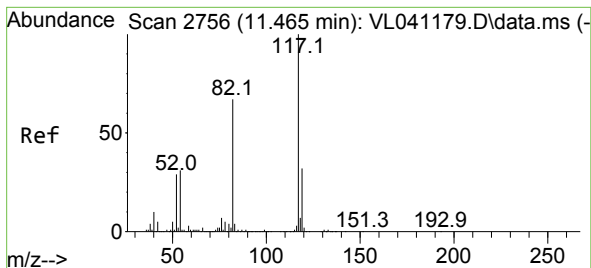
Tgt Ion: 91 Resp: 47073

Ion Ratio Lower Upper

91 100

92 60.5 48.2 72.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.474 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041287.D

Acq: 24 May 2024 12:22

Instrument :

MSVOA_L

ClientSampleId :

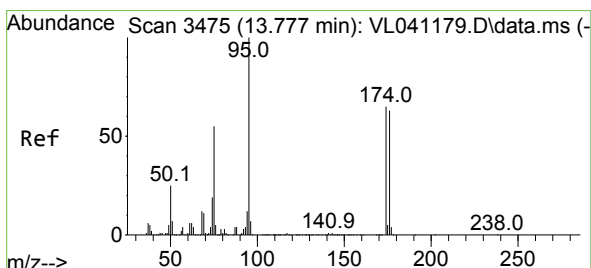
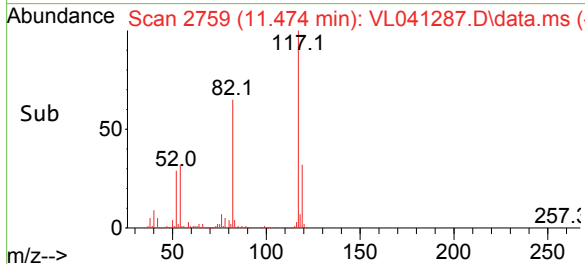
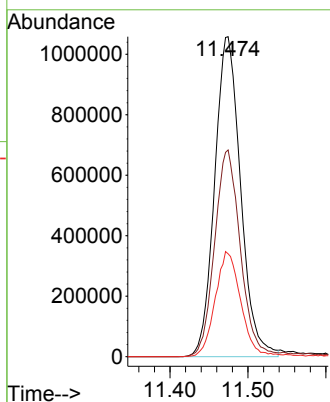
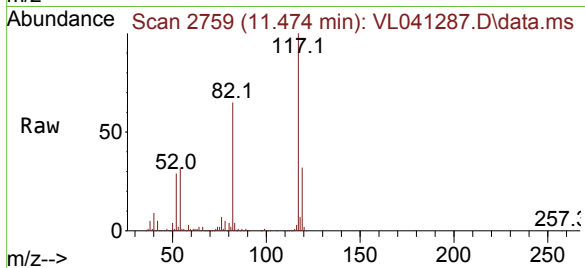
Tgt Ion:117 Resp: 2451037

Ion Ratio Lower Upper

117 100

82 66.4 53.6 80.4

119 32.6 27.2 40.8



#68

1-Bromo-4-Fluorobenzene

Concen: 10.399 ppbv

RT: 13.783 min Scan# 3477

Delta R.T. 0.003 min

Lab File: VL041287.D

Acq: 24 May 2024 12:22

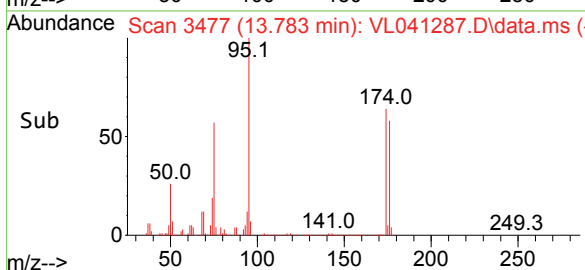
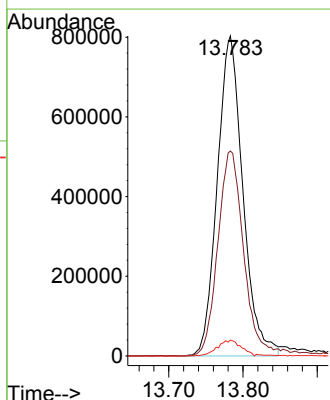
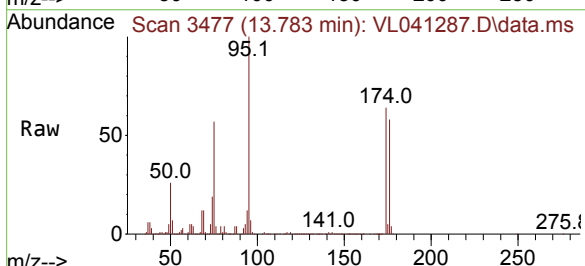
Tgt Ion: 95 Resp: 1924249

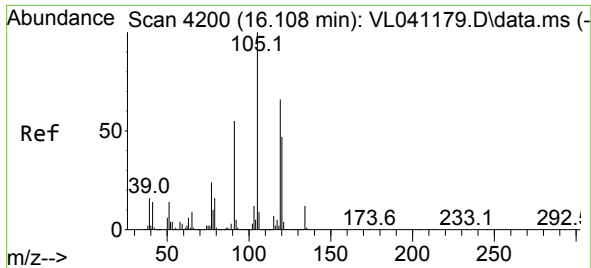
Ion Ratio Lower Upper

95 100

174 67.3 53.6 80.4

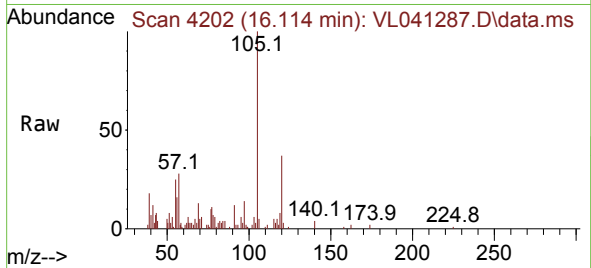
175 5.0 4.2 6.4





#74
 1,2,4-Trimethylbenzene
 Concen: 0.130 ppbv
 RT: 16.114 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL041287.D
 Acq: 24 May 2024 12:22

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:	105	Resp:	38535
Ion	Ratio	Lower	Upper
105	100		
120	36.2	37.8	56.6#
91	10.3	44.3	66.5#
77	15.6	19.0	28.4#

