

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082124\
 Data File : VL041563.D
 Acq On : 21 Aug 2024 11:47
 Operator : SY/MD
 Sample : P3679-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 22 01:09:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Aug 22 01:05:17 2024
 Response via : Initial Calibration

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

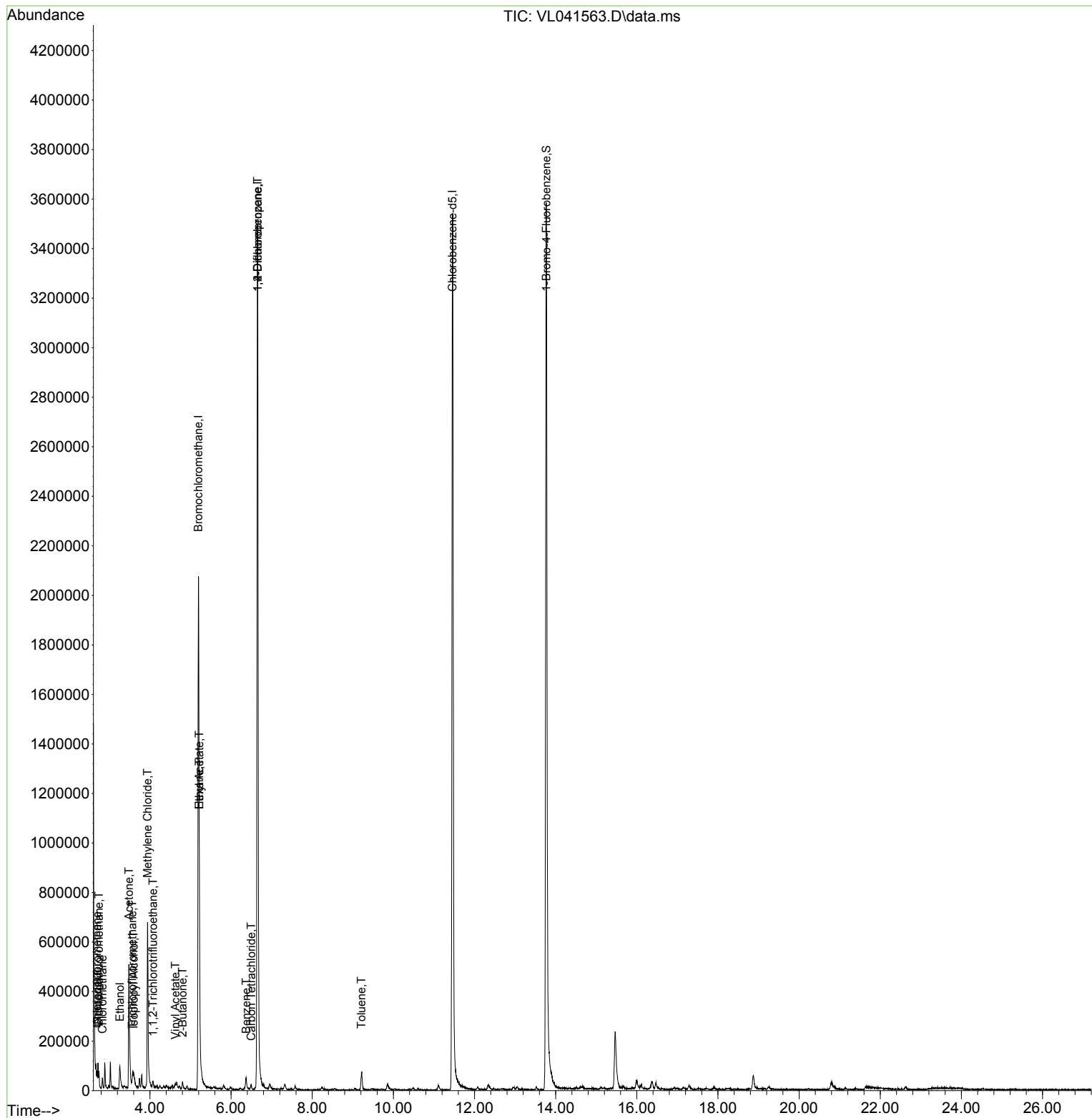
Internal Standards						
1) Bromochloromethane	5.195	49	1026110	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	2675212	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2408463	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1827911	9.862	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.745	85	37868	0.215	ppbv	93
3) Chlorodifluoromethane	2.693	51	82579	0.676	ppbv #	83
4) Chloromethane	2.828	50	31641	0.487	ppbv	89
9) Propene	2.713	41	10017	0.179	ppbv #	33
11) Trichlorofluoromethane	3.568	101	14808	0.094	ppbv	84
12) 1,1,2-Trichlorotrifluo...	4.076	101	3852	0.034	ppbv #	1
13) Ethanol	3.259	45	100398	20.018	ppbv	89
15) Acetone	3.481	43	537942	4.614	ppbv	100
19) Isopropyl Alcohol	3.600	45	29116	0.427	ppbv #	43
20) Methylene Chloride	3.941	84	204939	4.714	ppbv	91
23) Vinyl Acetate	4.629	43	10831	0.122	ppbv #	80
25) Ethyl Acetate	5.217	43	126017	0.544	ppbv #	80
26) Hexane	5.217	57	168728	1.756	ppbv #	38
34) 2-Butanone	4.806	43	32183	0.249	ppbv #	86
35) Carbon Tetrachloride	6.494	117	9149	0.062	ppbv #	91
36) Benzene	6.372	78	27876	0.143	ppbv #	94
39) 1,2-Dichloropropane	6.651	63	667252	8.916	ppbv #	24
53) Toluene	9.211	91	52932	0.243	ppbv	98

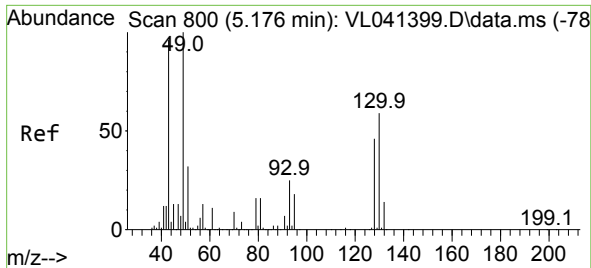
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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Response via : Initial Calibration

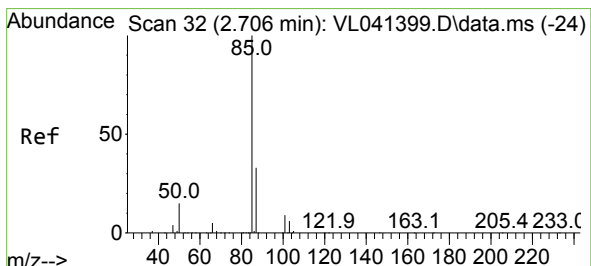
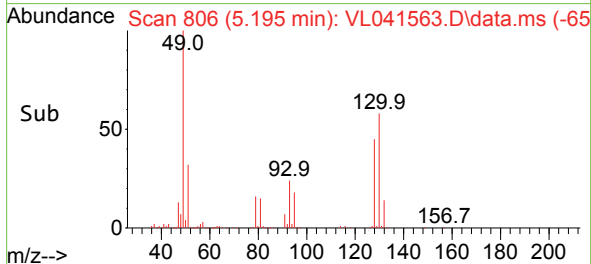
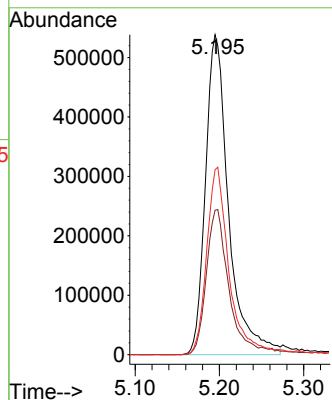
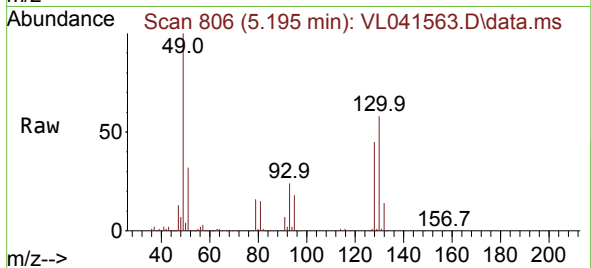




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL041563.D
Acq: 21 Aug 2024 11:47

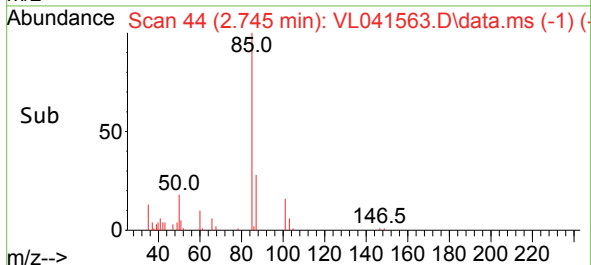
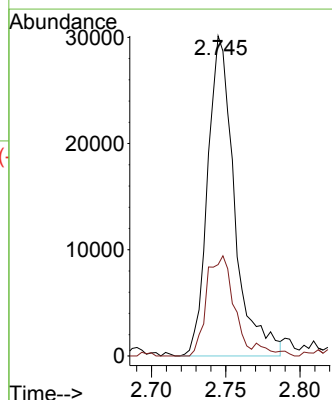
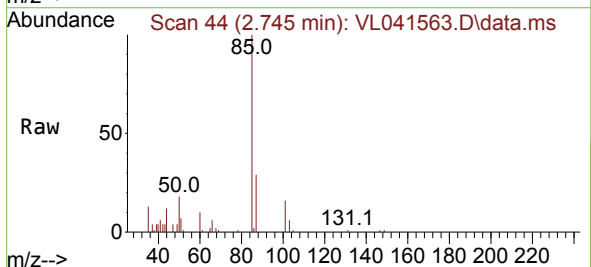
Instrument :
MSVOA_L
ClientSampleId :

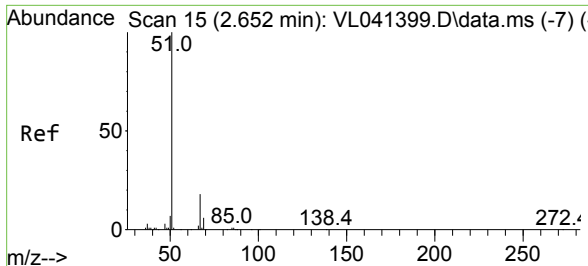
Tgt Ion: 49 Resp: 1026110
Ion Ratio Lower Upper
49 100
128 46.4 23.8 71.4
130 59.4 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 0.215 ppbv
RT: 2.745 min Scan# 44
Delta R.T. 0.003 min
Lab File: VL041563.D
Acq: 21 Aug 2024 11:47

Tgt Ion: 85 Resp: 37868
Ion Ratio Lower Upper
85 100
87 28.6 26.0 39.0

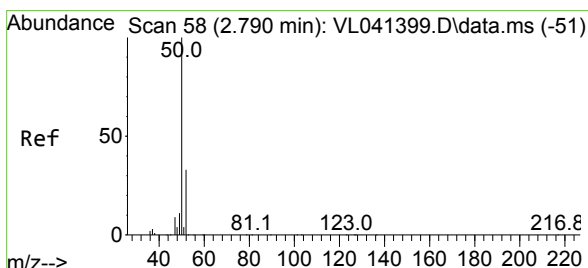
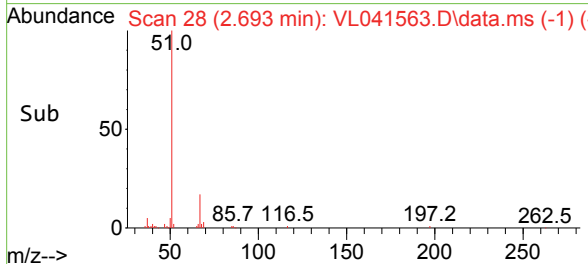
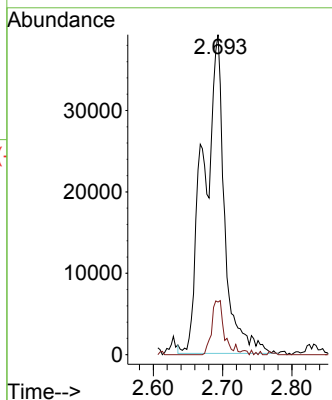
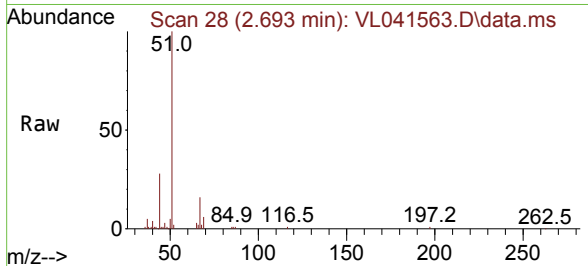




#3
Chlorodifluoromethane
Concen: 0.676 ppbv
RT: 2.693 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041563.D
Acq: 21 Aug 2024 11:47

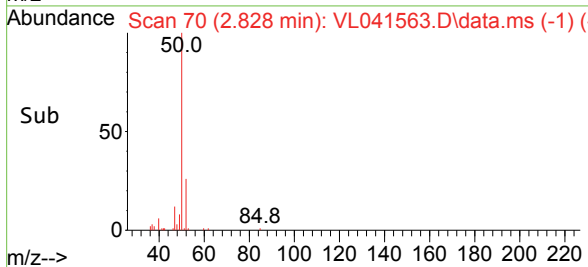
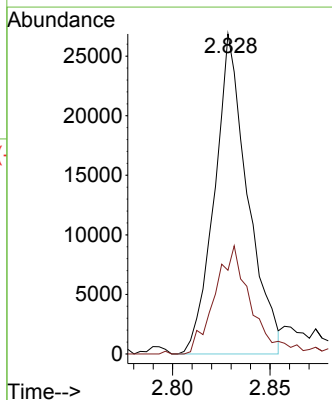
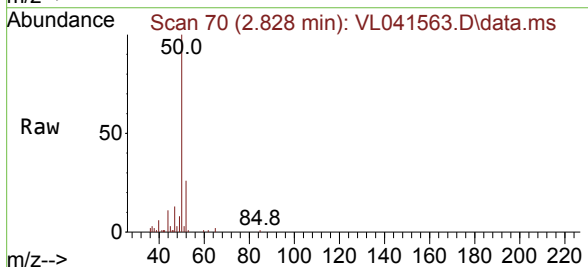
Instrument :
MSVOA_L
ClientSampleId :

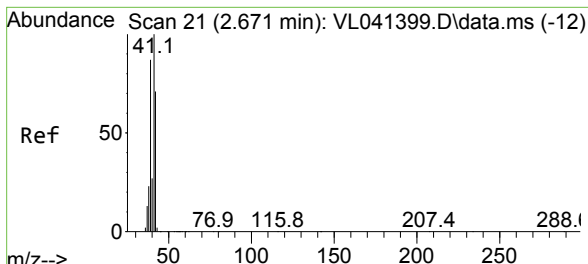
Tgt Ion: 51 Resp: 82579
Ion Ratio Lower Upper
51 100
67 10.7 14.5 21.7#



#4
Chloromethane
Concen: 0.487 ppbv
RT: 2.828 min Scan# 70
Delta R.T. 0.003 min
Lab File: VL041563.D
Acq: 21 Aug 2024 11:47

Tgt Ion: 50 Resp: 31641
Ion Ratio Lower Upper
50 100
52 26.2 26.1 39.1





#9

Propene

Concen: 0.179 ppbv

RT: 2.713 min Scan# 34

Delta R.T. 0.006 min

Lab File: VL041563.D

Acq: 21 Aug 2024 11:47

Instrument :

MSVOA_L

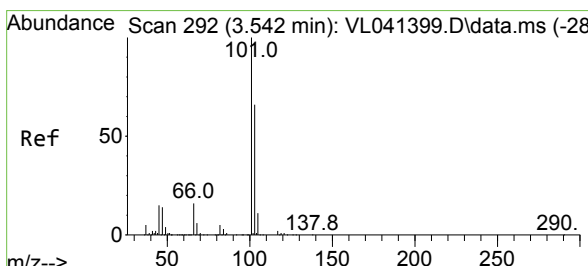
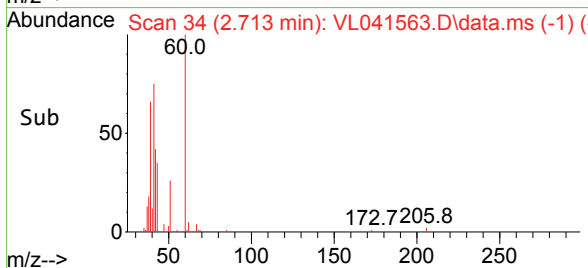
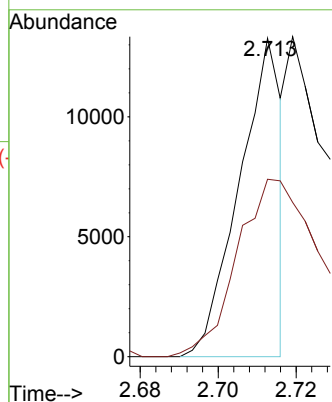
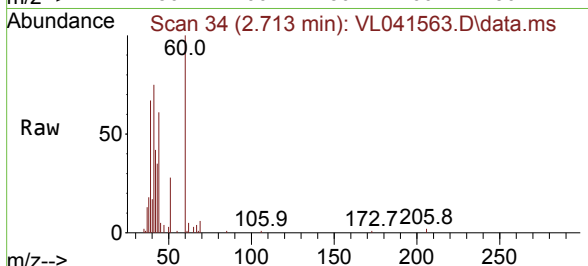
ClientSampleId :

Tgt Ion: 41 Resp: 10017

Ion Ratio Lower Upper

41 100

42 125.2 55.9 83.9#



#11

Trichlorofluoromethane

Concen: 0.094 ppbv

RT: 3.568 min Scan# 300

Delta R.T. -0.003 min

Lab File: VL041563.D

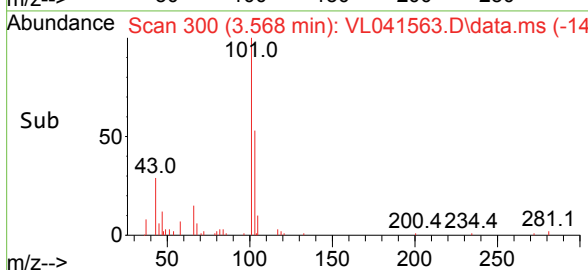
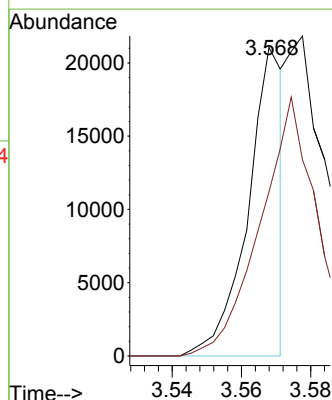
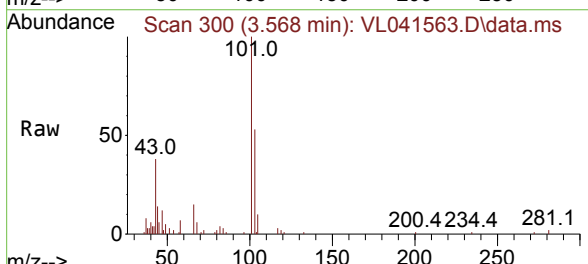
Acq: 21 Aug 2024 11:47

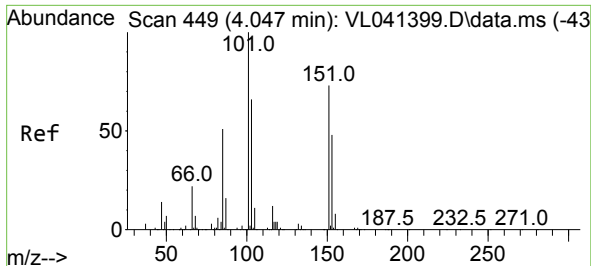
Tgt Ion:101 Resp: 14808

Ion Ratio Lower Upper

101 100

103 53.2 52.6 79.0





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.034 ppbv

RT: 4.076 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041563.D

Acq: 21 Aug 2024 11:47

Instrument :

MSVOA_L

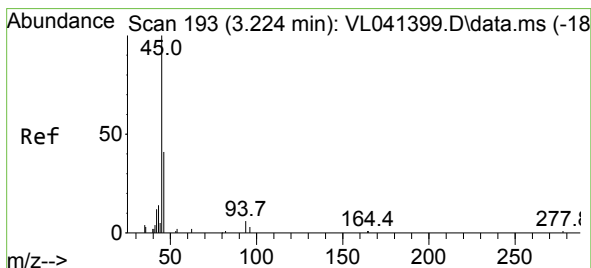
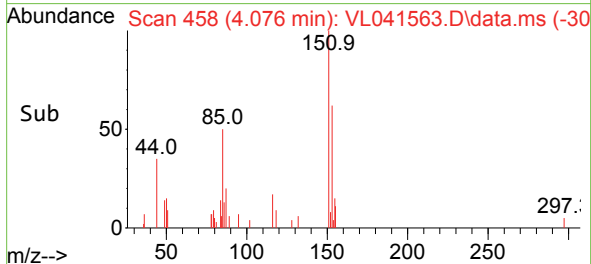
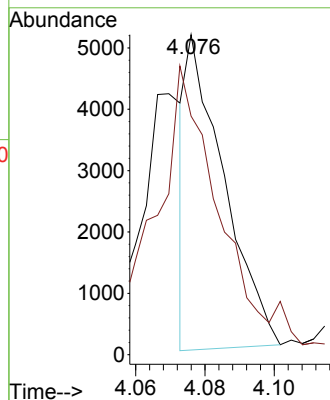
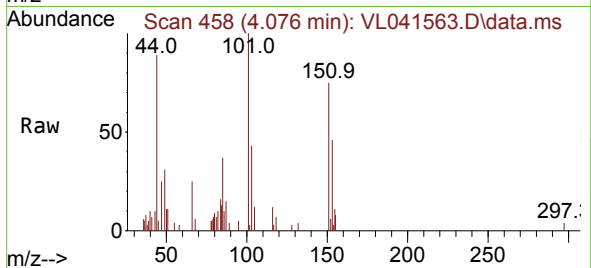
ClientSampleId :

Tgt Ion:101 Resp: 3852

Ion Ratio Lower Upper

101 100

151 172.2 59.4 89.2#



#13

Ethanol

Concen: 20.018 ppbv

RT: 3.259 min Scan# 204

Delta R.T. -0.000 min

Lab File: VL041563.D

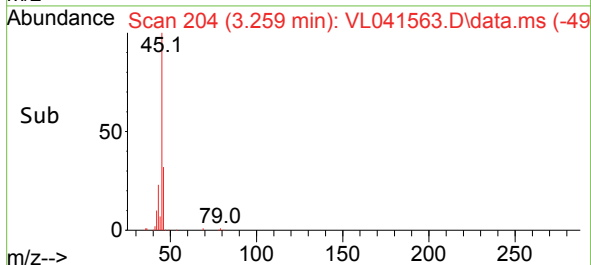
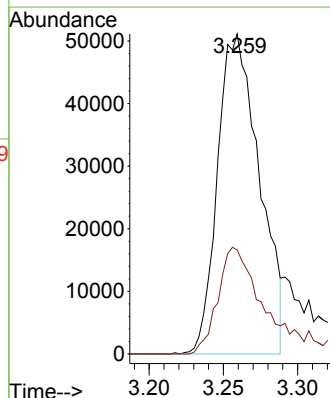
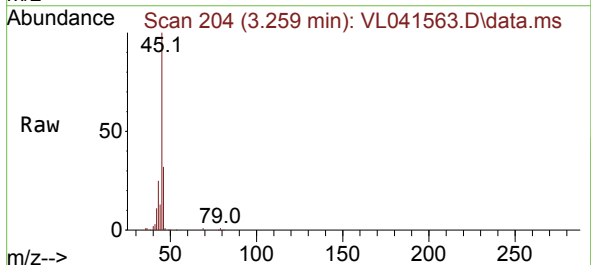
Acq: 21 Aug 2024 11:47

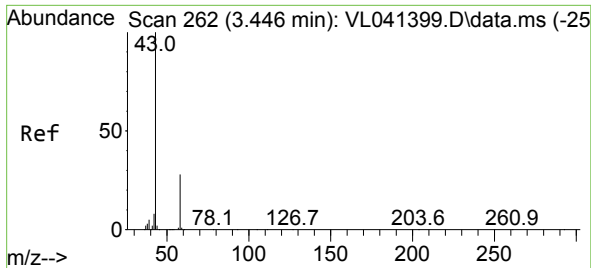
Tgt Ion: 45 Resp: 100398

Ion Ratio Lower Upper

45 100

46 39.4 13.4 53.4

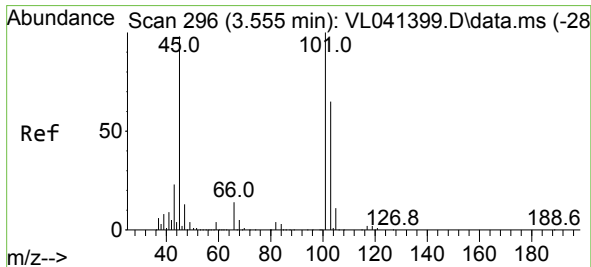
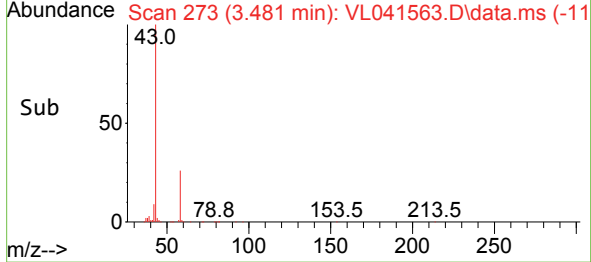
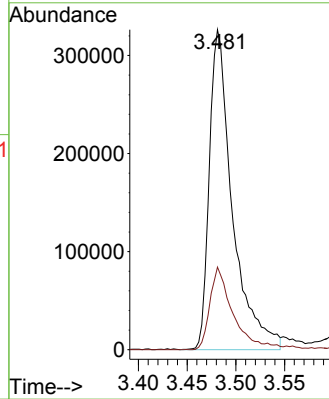
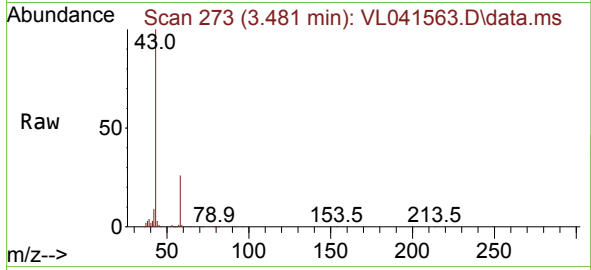




#15
Acetone
Concen: 4.614 ppbv
RT: 3.481 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041563.D
Acq: 21 Aug 2024 11:47

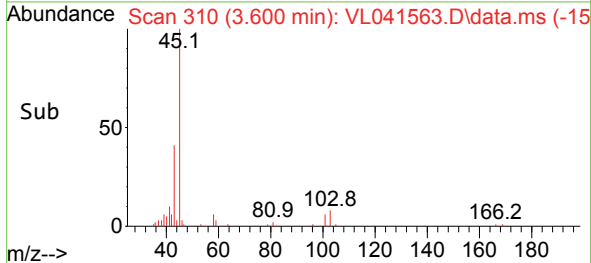
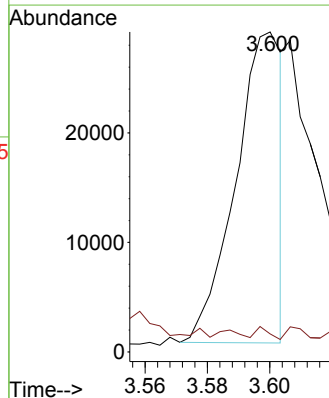
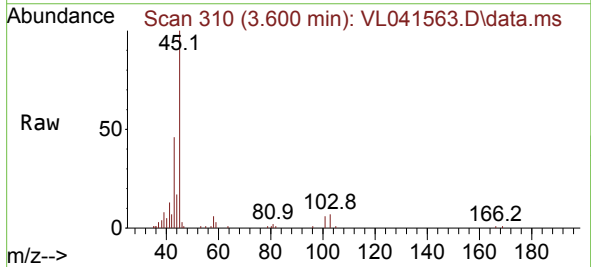
Instrument :
MSVOA_L
ClientSampleId :

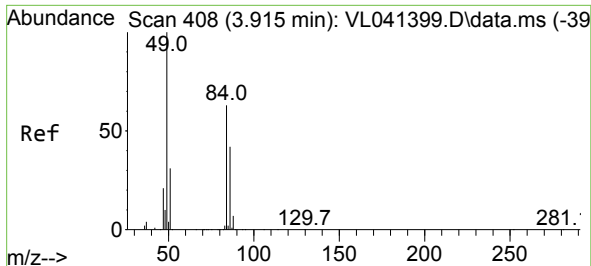
Tgt Ion: 43 Resp: 537942
Ion Ratio Lower Upper
43 100
58 26.8 21.4 32.2



#19
Isopropyl Alcohol
Concen: 0.427 ppbv
RT: 3.600 min Scan# 310
Delta R.T. 0.016 min
Lab File: VL041563.D
Acq: 21 Aug 2024 11:47

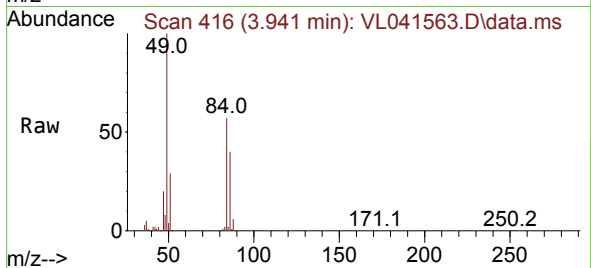
Tgt Ion: 45 Resp: 29116
Ion Ratio Lower Upper
45 100
58 21.7 1.9 2.9#





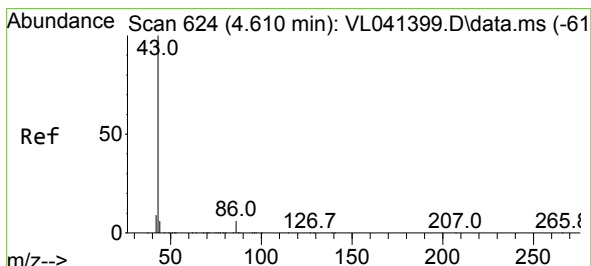
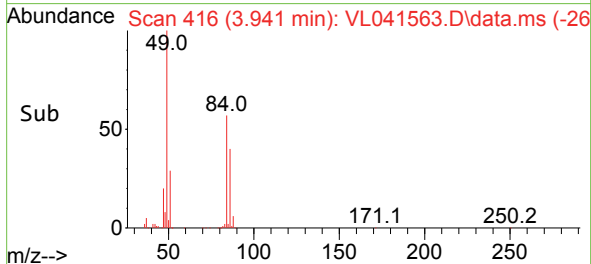
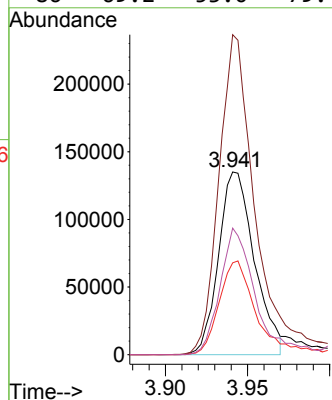
#20
Methylene Chloride
Concen: 4.714 ppbv
RT: 3.941 min Scan# 416
Delta R.T. -0.000 min
Lab File: VL041563.D
Acq: 21 Aug 2024 11:47

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 84 Resp: 204939

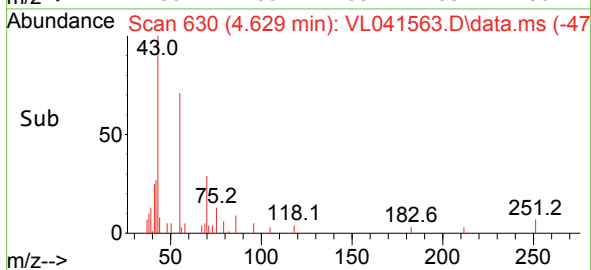
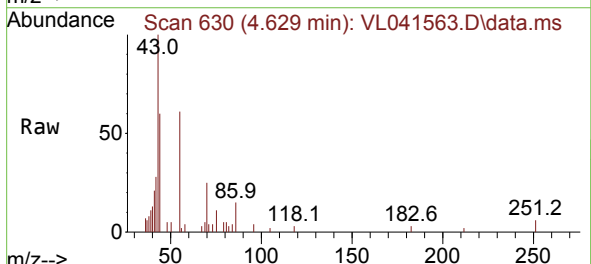
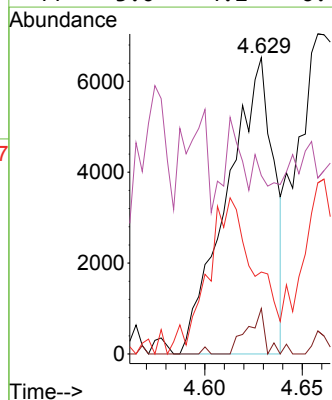
Ion	Ratio	Lower	Upper
84	100		
49	174.9	126.6	190.0
51	50.1	38.6	58.0
86	69.2	53.0	79.4

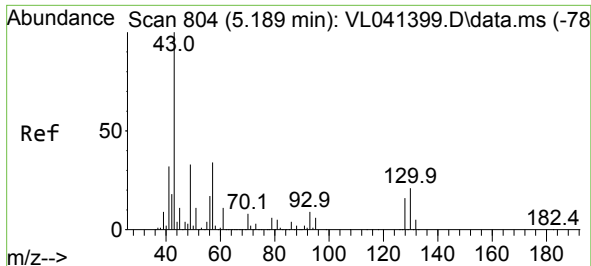


#23
Vinyl Acetate
Concen: 0.122 ppbv
RT: 4.629 min Scan# 630
Delta R.T. -0.003 min
Lab File: VL041563.D
Acq: 21 Aug 2024 11:47

Tgt Ion: 43 Resp: 10831

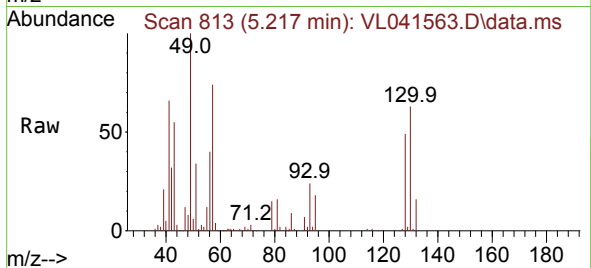
Ion	Ratio	Lower	Upper
43	100		
86	15.3	4.6	6.8#
42	17.8	7.9	11.9#
44	3.0	4.2	6.4#



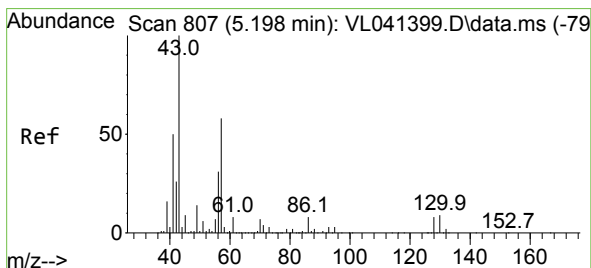
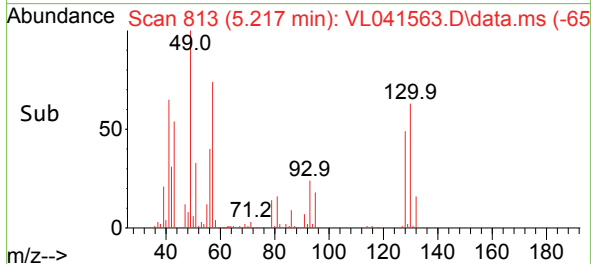
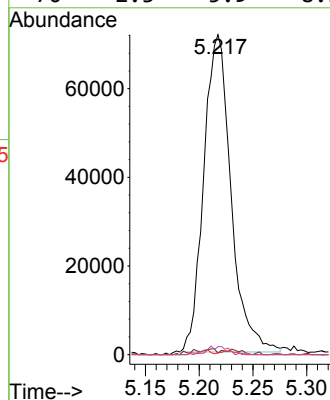


#25
Ethyl Acetate
Concen: 0.544 ppbv
RT: 5.217 min Scan# 813
Delta R.T. 0.010 min
Lab File: VL041563.D
Acq: 21 Aug 2024 11:47

Instrument :
MSVOA_L
ClientSampleId :

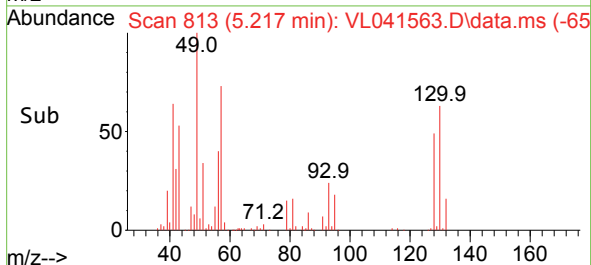
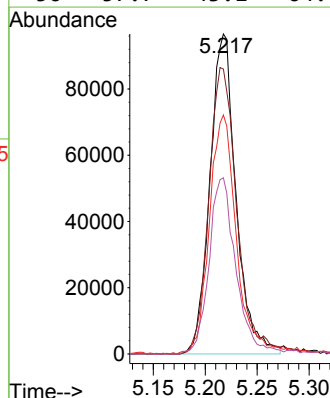
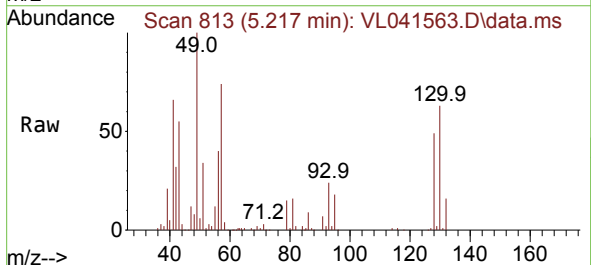


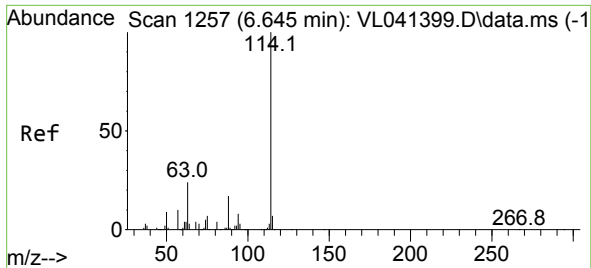
Tgt Ion: 43	Resp: 126017
Ion Ratio	Lower Upper
43 100	
45 2.9	8.5 12.7#
61 1.1	8.0 12.0#
70 2.3	5.9 8.9#



#26
Hexane
Concen: 1.756 ppbv
RT: 5.217 min Scan# 813
Delta R.T. -0.000 min
Lab File: VL041563.D
Acq: 21 Aug 2024 11:47

Tgt Ion: 57	Resp: 168728
Ion Ratio	Lower Upper
57 100	
41 97.3	74.0 111.0
43 77.8	193.6 290.4#
56 57.7	43.1 64.7

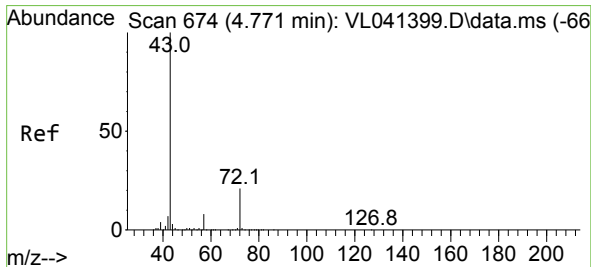
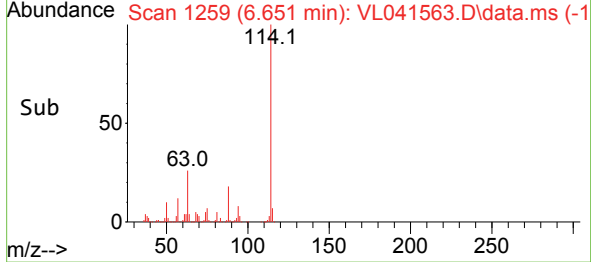
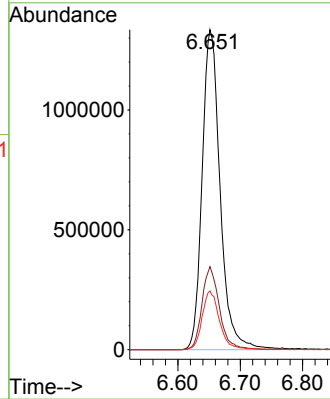
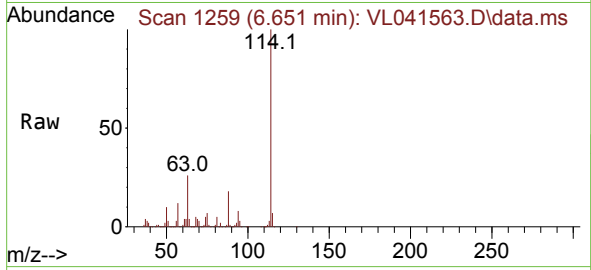




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.651 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VL041563.D
 Acq: 21 Aug 2024 11:47

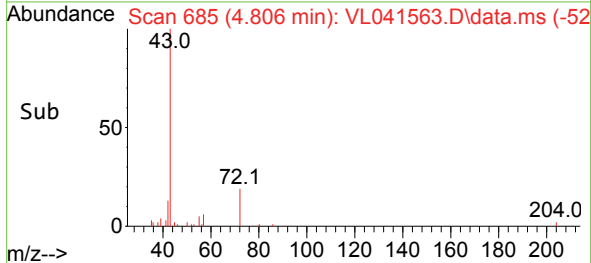
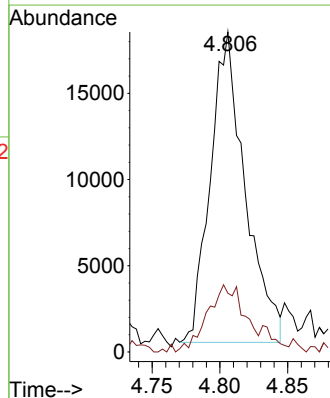
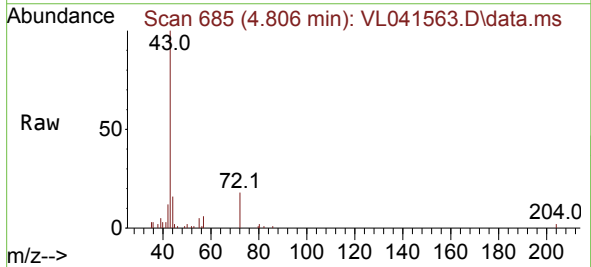
Instrument :
 MSVOA_L
 ClientSampleId :

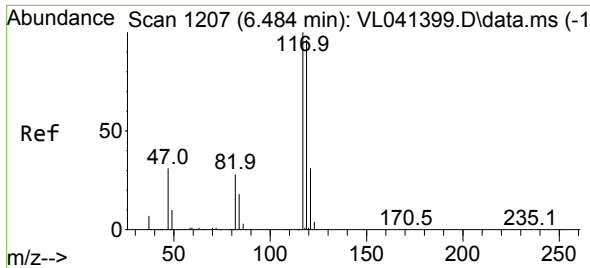
Tgt Ion:114 Resp: 2675212
 Ion Ratio Lower Upper
 114 100
 63 25.3 20.3 30.5
 88 17.8 14.3 21.5



#34
 2-Butanone
 Concen: 0.249 ppbv
 RT: 4.806 min Scan# 685
 Delta R.T. 0.013 min
 Lab File: VL041563.D
 Acq: 21 Aug 2024 11:47

Tgt Ion: 43 Resp: 32183
 Ion Ratio Lower Upper
 43 100
 72 28.3 17.3 25.9#

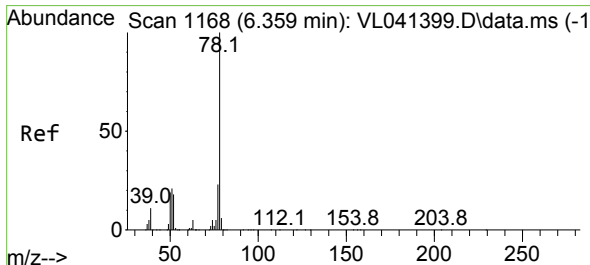
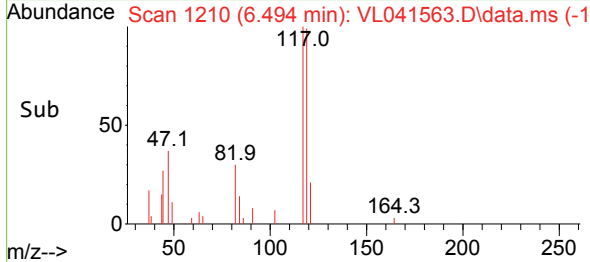
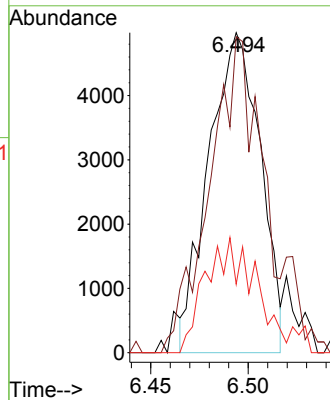
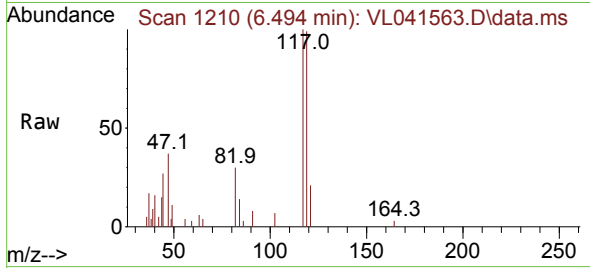




#35
Carbon Tetrachloride
Concen: 0.062 ppbv
RT: 6.494 min Scan# 1172
Delta R.T. -0.003 min
Lab File: VL041563.D
Acq: 21 Aug 2024 11:47

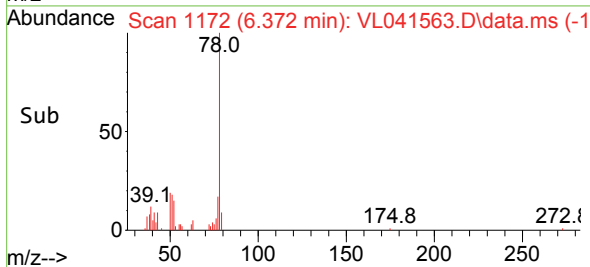
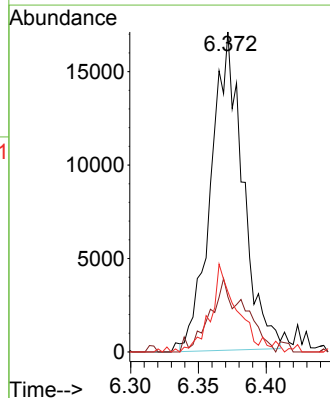
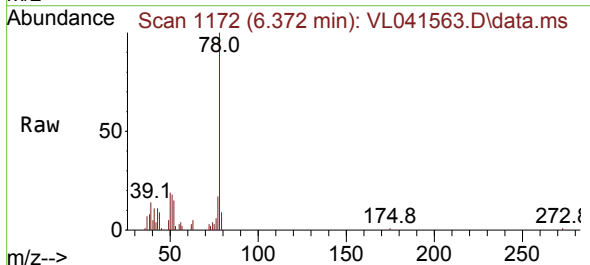
Instrument :
MSVOA_L
ClientSampleId :

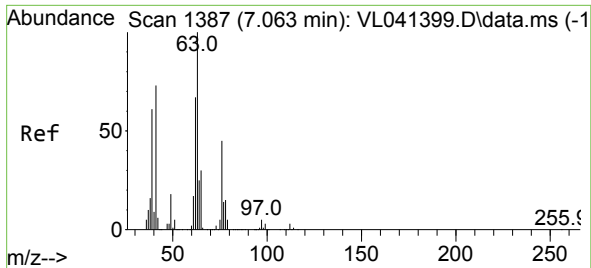
Tgt Ion:117 Resp: 9149
Ion Ratio Lower Upper
117 100
119 88.4 76.6 115.0
121 24.0 25.1 37.7#



#36
Benzene
Concen: 0.143 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VL041563.D
Acq: 21 Aug 2024 11:47

Tgt Ion: 78 Resp: 27876
Ion Ratio Lower Upper
78 100
77 17.7 18.1 27.1#
50 19.3 15.5 23.3





#39

1,2-Dichloropropane

Concen: 8.916 ppbv

RT: 6.651 min Scan# 1259

Delta R.T. -0.425 min

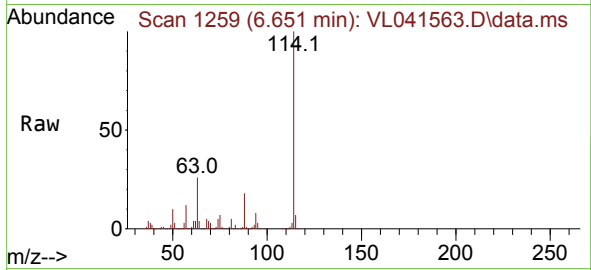
Lab File: VL041563.D

Acq: 21 Aug 2024 11:47

Instrument :

MSVOA_L

ClientSampleId :



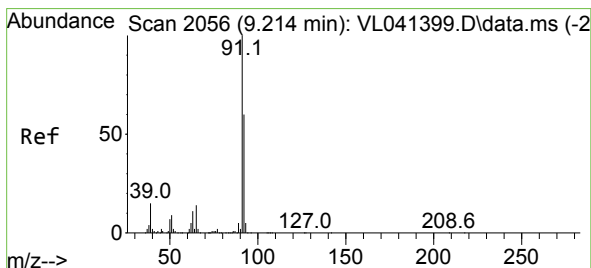
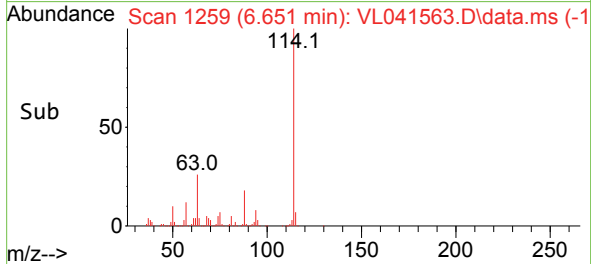
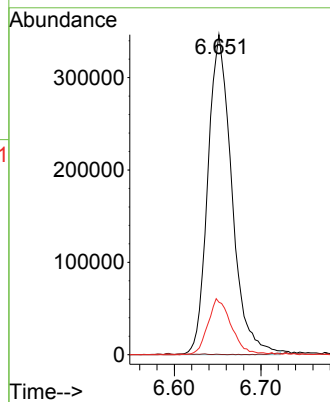
Tgt Ion: 63 Resp: 667252

Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 16.4 53.9 80.9#



#53

Toluene

Concen: 0.243 ppbv

RT: 9.211 min Scan# 2055

Delta R.T. -0.010 min

Lab File: VL041563.D

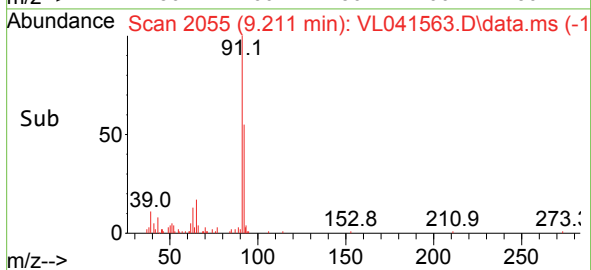
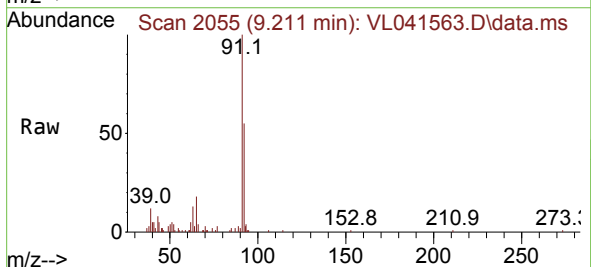
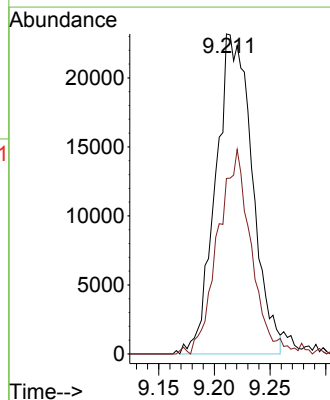
Acq: 21 Aug 2024 11:47

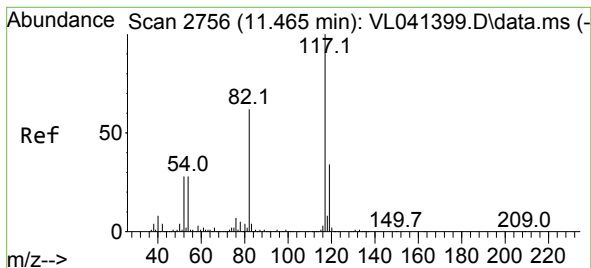
Tgt Ion: 91 Resp: 52932

Ion Ratio Lower Upper

91 100

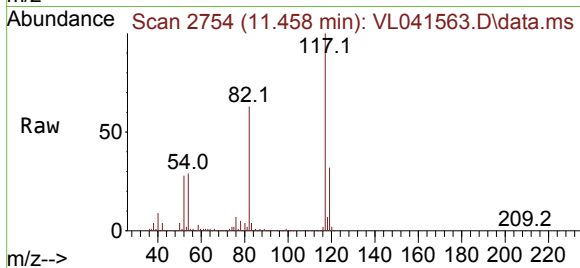
92 59.1 48.7 73.1



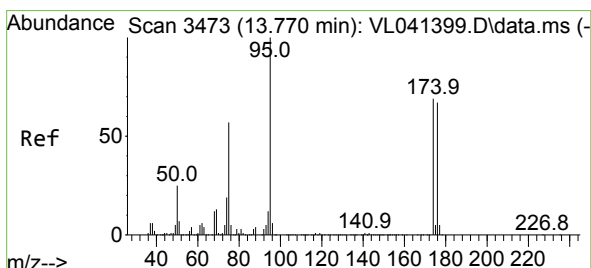
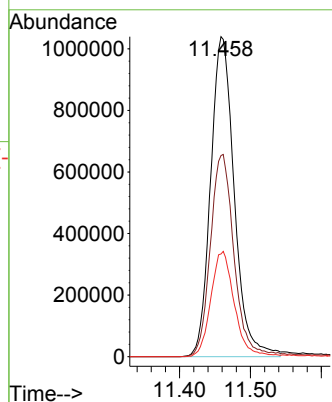
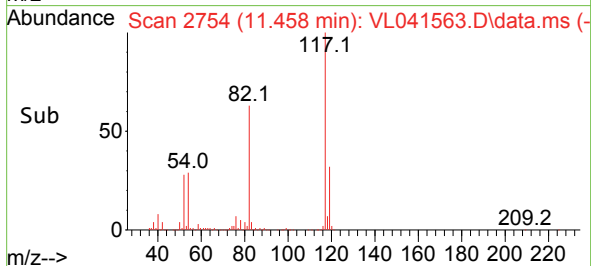


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL041563.D
Acq: 21 Aug 2024 11:47

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:117 Resp: 2408463
Ion Ratio Lower Upper
117 100
82 64.8 51.0 76.6
119 33.3 45.2 67.8#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.862 ppbv
RT: 13.770 min Scan# 3473
Delta R.T. -0.003 min
Lab File: VL041563.D
Acq: 21 Aug 2024 11:47

Tgt Ion: 95 Resp: 1827911
Ion Ratio Lower Upper
95 100
174 72.3 56.3 84.5
175 5.2 4.0 6.0

