

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082224\
 Data File : VL041586.D
 Acq On : 22 Aug 2024 14:14
 Operator : SY/MD
 Sample : P3710-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 23 01:32:19 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 : Fri Aug 23 01:15:26 2024
 Response via : Initial Calibration

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

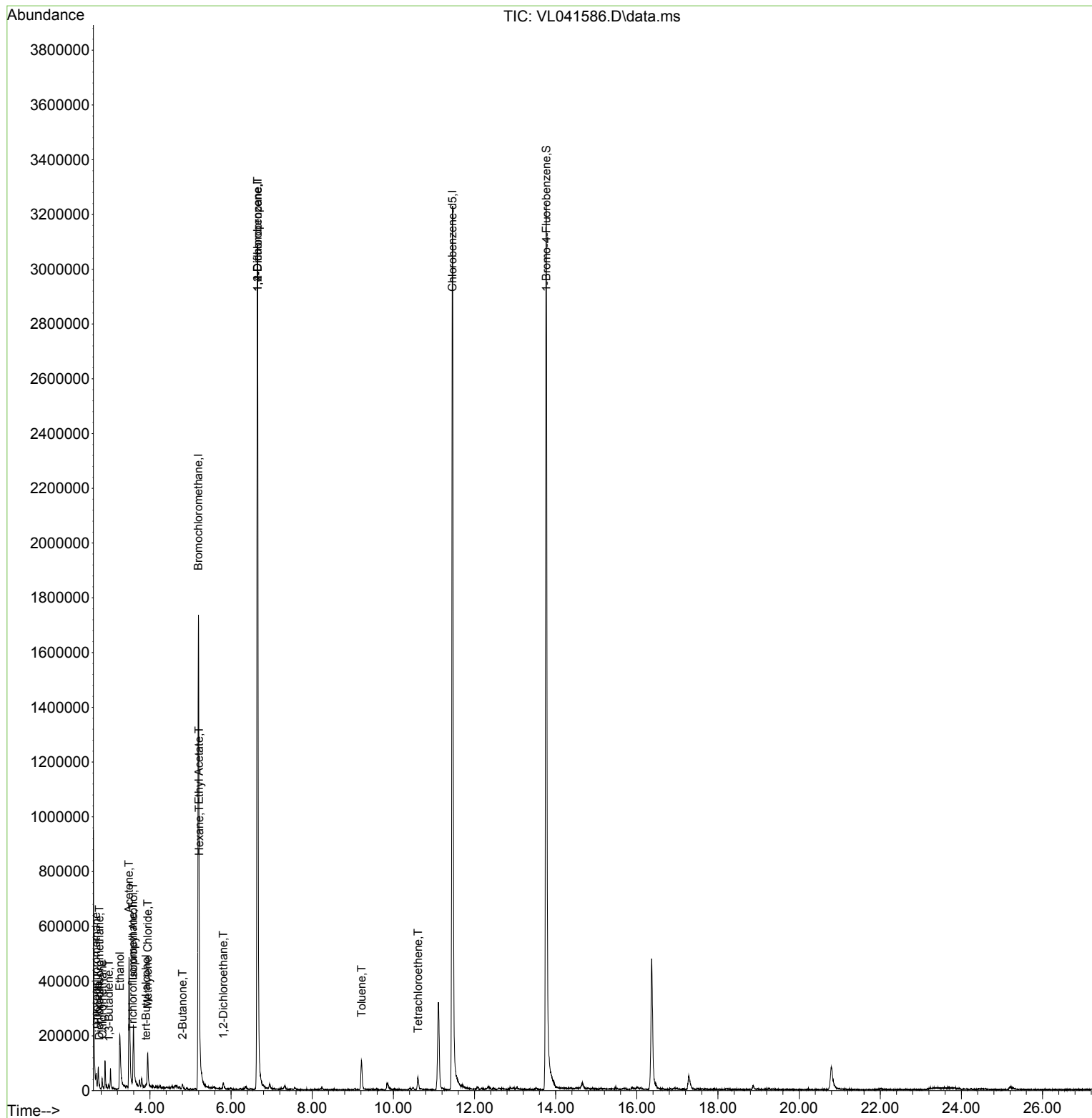
Internal Standards						
1) Bromochloromethane	5.195	49	889754	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2364531	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2147832	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1612195	9.754	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.751	85	6789	0.044	ppbv	95
3) Chlorodifluoromethane	2.674	51	33473	0.316	ppbv #	60
4) Chloromethane	2.832	50	3550	0.063	ppbv	89
9) Propene	2.722	41	19059	0.392	ppbv #	82
11) Trichlorofluoromethane	3.574	101	4728	0.035	ppbv	88
13) Ethanol	3.259	45	222888	51.251	ppbv	83
15) Acetone	3.484	43	521292	5.156	ppbv	98
16) 1,3-Butadiene	2.989	39	1691	0.031	ppbv #	51
17) tert-Butyl alcohol	3.902	59	5723	0.062	ppbv #	72
19) Isopropyl Alcohol	3.591	45	257406	4.355	ppbv #	94
20) Methylene Chloride	3.947	84	39791	1.056	ppbv	91
25) Ethyl Acetate	5.211	43	24765	0.123	ppbv #	58
26) Hexane	5.214	57	24774	0.297	ppbv #	86
34) 2-Butanone	4.803	43	20347	0.178	ppbv #	86
37) 1,2-Dichloroethane	5.812	62	6752	0.070	ppbv #	66
39) 1,2-Dichloropropane	6.652	63	589939	8.919	ppbv #	24
52) Tetrachloroethene	10.606	164	6644	0.100	ppbv	95
53) Toluene	9.217	91	79420	0.413	ppbv	95

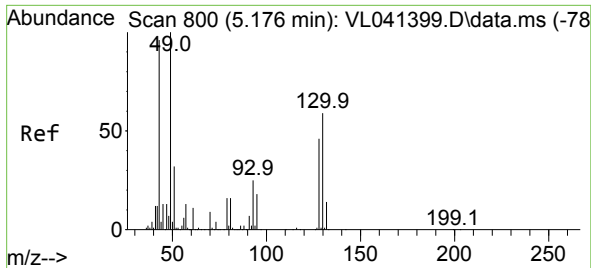
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082224\
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Response via : Initial Calibration

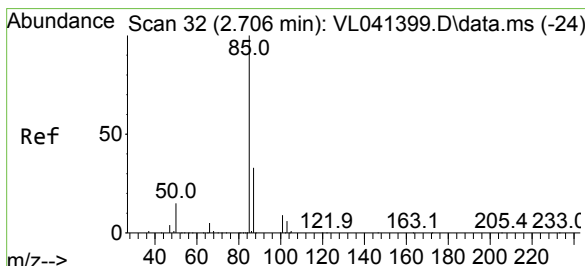
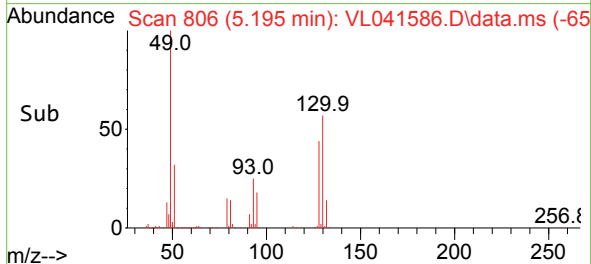
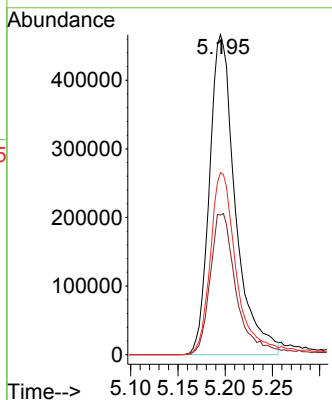
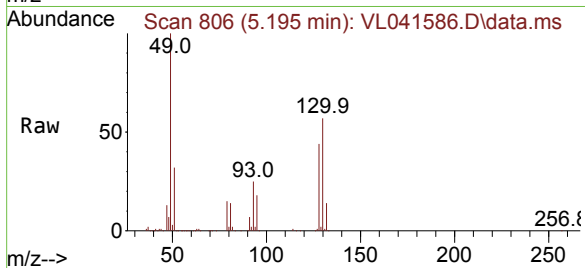




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.195 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: VL041586.D
 Acq: 22 Aug 2024 14:14

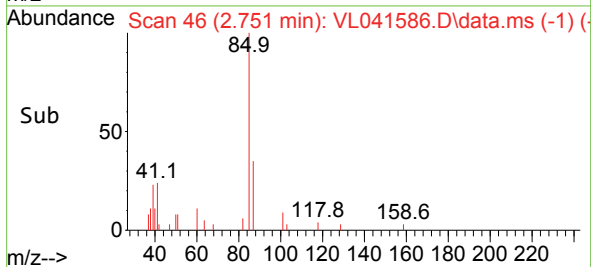
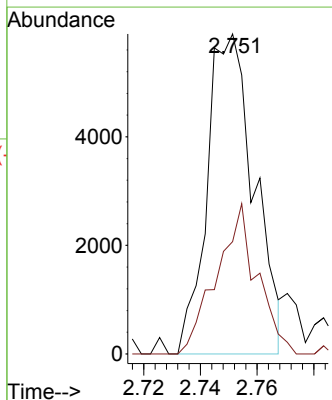
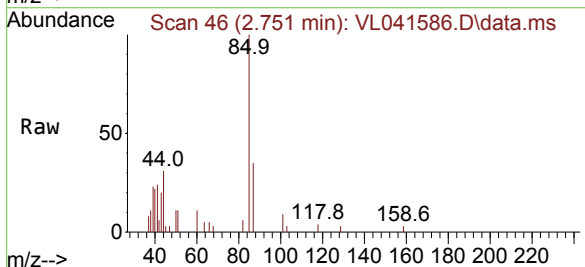
Instrument :
 MSVOA_L
 ClientSampleId :

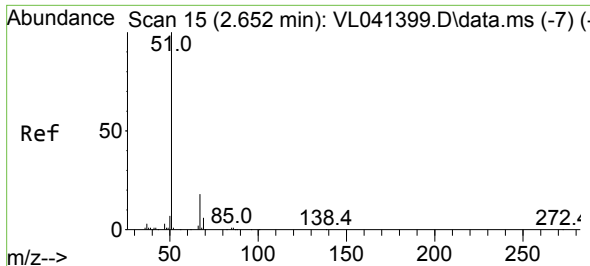
Tgt Ion: 49 Resp: 889754
 Ion Ratio Lower Upper
 49 100
 128 45.9 23.8 71.4
 130 59.6 30.8 92.4



#2
 Dichlorodifluoromethane
 Concen: 0.044 ppbv
 RT: 2.751 min Scan# 46
 Delta R.T. 0.006 min
 Lab File: VL041586.D
 Acq: 22 Aug 2024 14:14

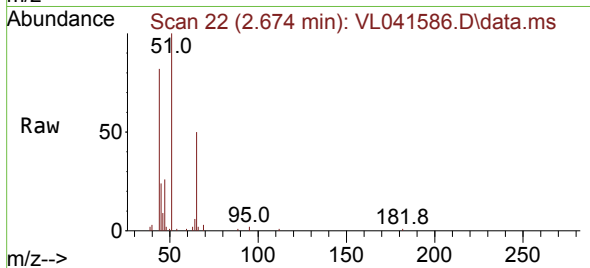
Tgt Ion: 85 Resp: 6789
 Ion Ratio Lower Upper
 85 100
 87 35.1 26.0 39.0



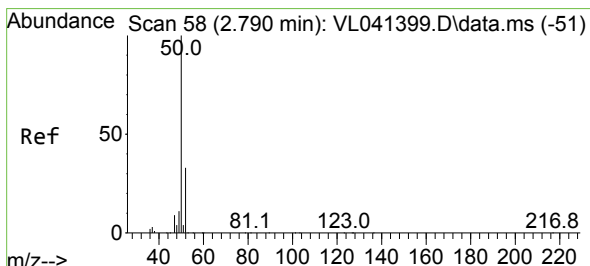
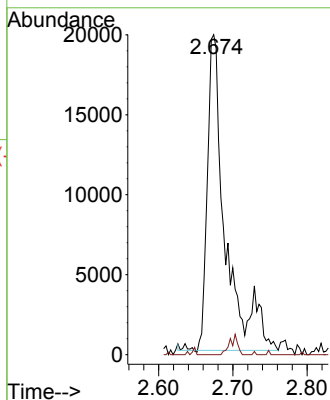
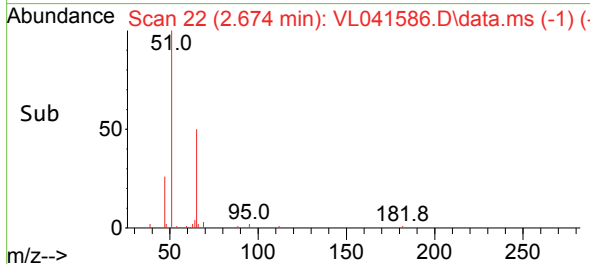


#3
Chlorodifluoromethane
Concen: 0.316 ppbv
RT: 2.674 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL041586.D
Acq: 22 Aug 2024 14:14

Instrument :
MSVOA_L
ClientSampleId :

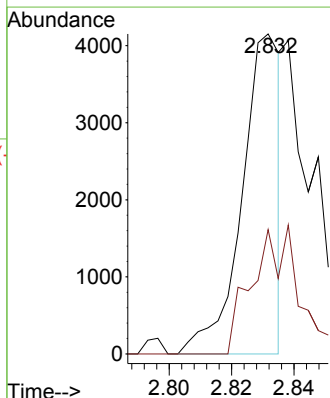
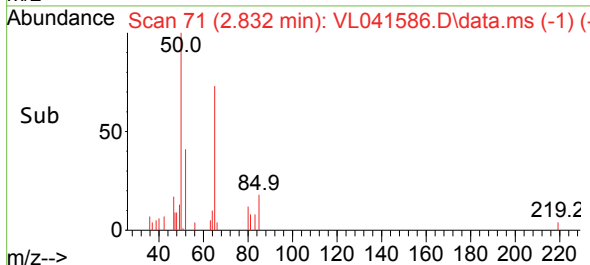
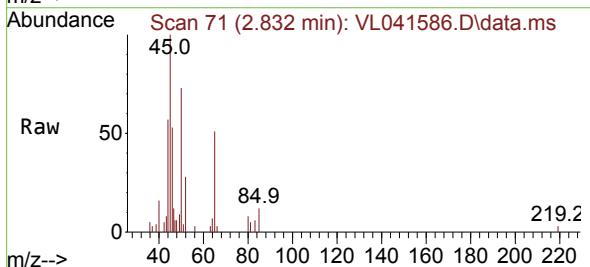


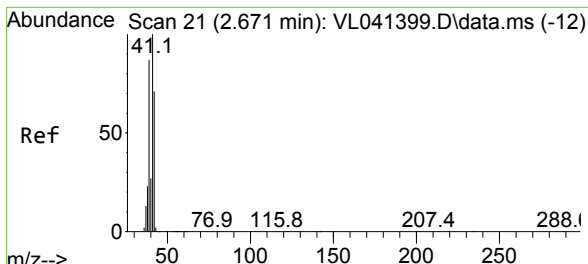
Tgt Ion: 51 Resp: 33473
Ion Ratio Lower Upper
51 100
67 0.5 14.5 21.7#



#4
Chloromethane
Concen: 0.063 ppbv
RT: 2.832 min Scan# 71
Delta R.T. 0.006 min
Lab File: VL041586.D
Acq: 22 Aug 2024 14:14

Tgt Ion: 50 Resp: 3550
Ion Ratio Lower Upper
50 100
52 38.8 26.1 39.1

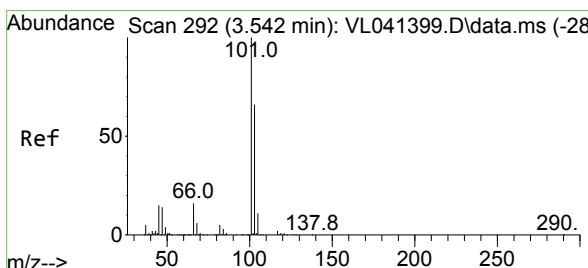
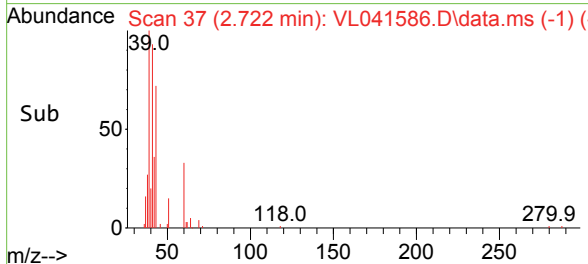
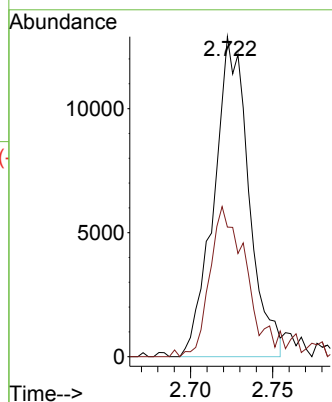
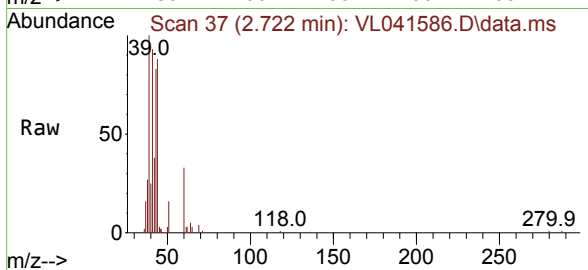




#9
Propene
Concen: 0.392 ppbv
RT: 2.722 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL041586.D
Acq: 22 Aug 2024 14:14

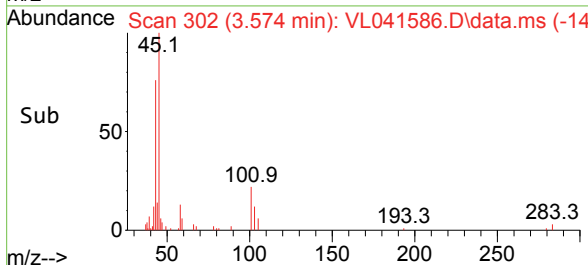
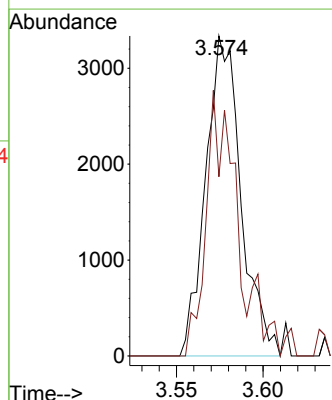
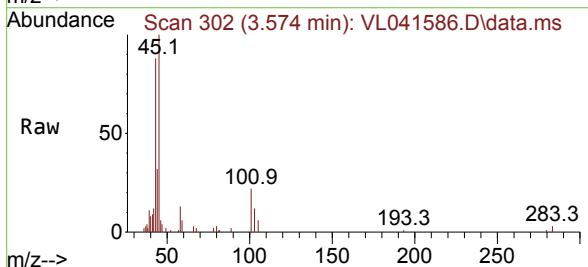
Instrument :
MSVOA_L
ClientSampleId :

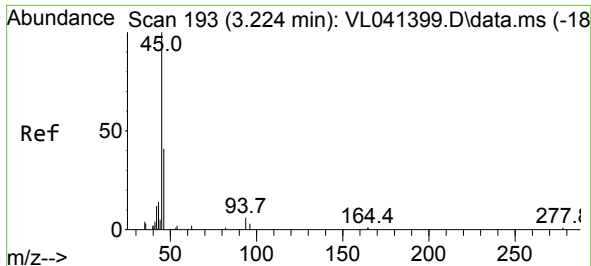
Tgt Ion: 41 Resp: 19059
Ion Ratio Lower Upper
41 100
42 55.4 55.9 83.9#



#11
Trichlorofluoromethane
Concen: 0.035 ppbv
RT: 3.574 min Scan# 302
Delta R.T. 0.003 min
Lab File: VL041586.D
Acq: 22 Aug 2024 14:14

Tgt Ion:101 Resp: 4728
Ion Ratio Lower Upper
101 100
103 56.0 52.6 79.0

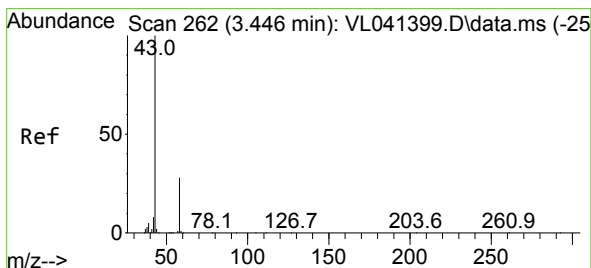
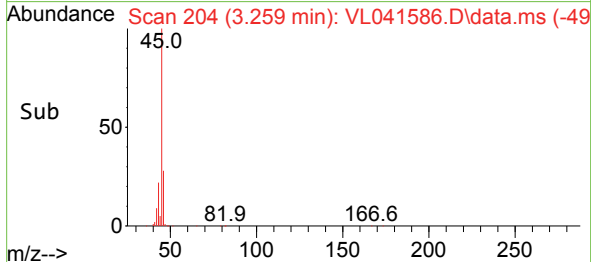
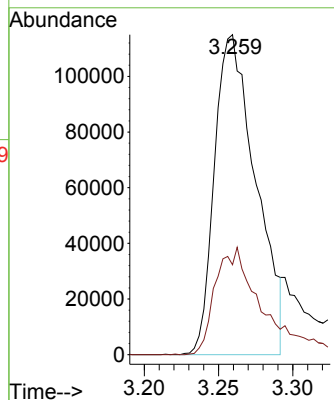
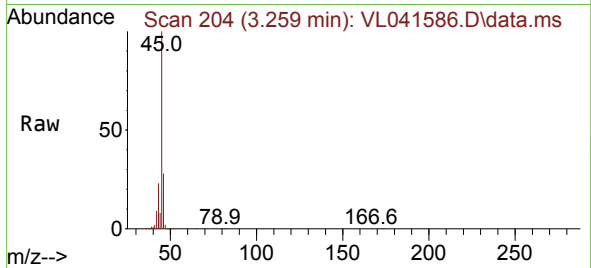




#13
Ethanol
Concen: 51.251 ppbv
RT: 3.259 min Scan# 204
Delta R.T. -0.003 min
Lab File: VL041586.D
Acq: 22 Aug 2024 14:14

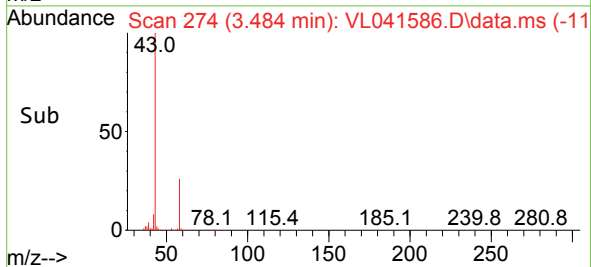
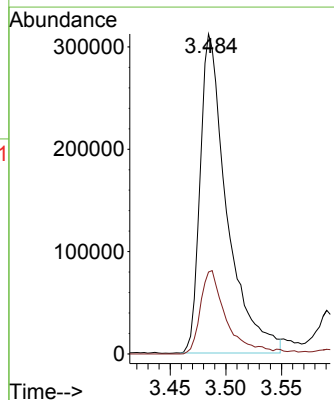
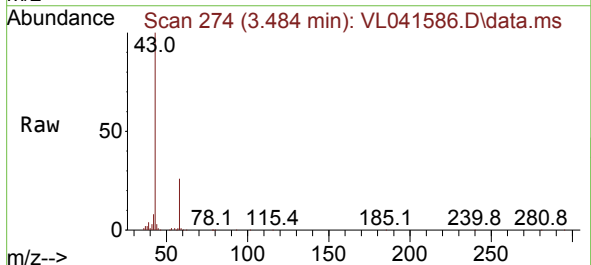
Instrument :
MSVOA_L
ClientSampleId :

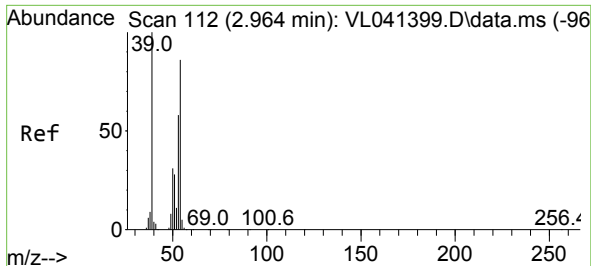
Tgt Ion: 45 Resp: 222888
Ion Ratio Lower Upper
45 100
46 42.8 13.4 53.4



#15
Acetone
Concen: 5.156 ppbv
RT: 3.484 min Scan# 274
Delta R.T. 0.006 min
Lab File: VL041586.D
Acq: 22 Aug 2024 14:14

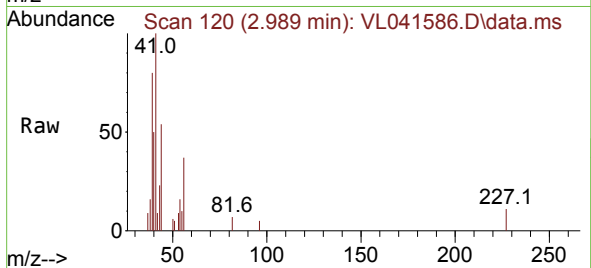
Tgt Ion: 43 Resp: 521292
Ion Ratio Lower Upper
43 100
58 25.9 21.4 32.2



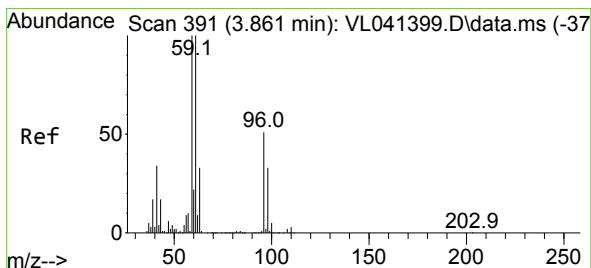
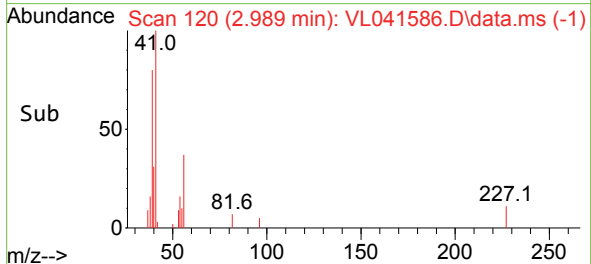
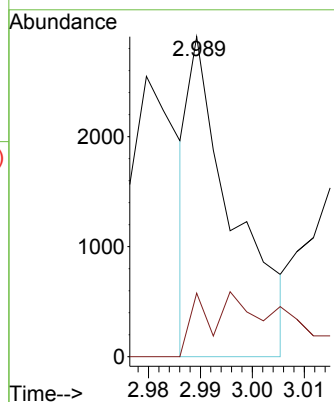


#16
1,3-Butadiene
Concen: 0.031 ppbv
RT: 2.989 min Scan# 112
Delta R.T. -0.006 min
Lab File: VL041586.D
Acq: 22 Aug 2024 14:14

Instrument :
MSVOA_L
ClientSampleId :

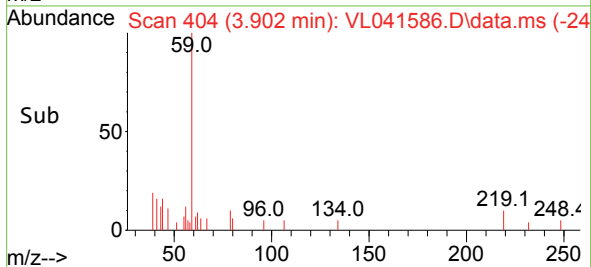
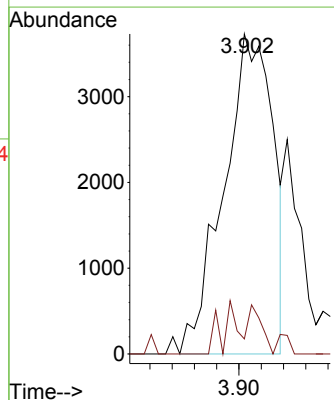
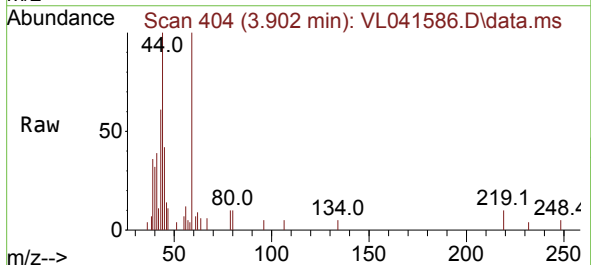


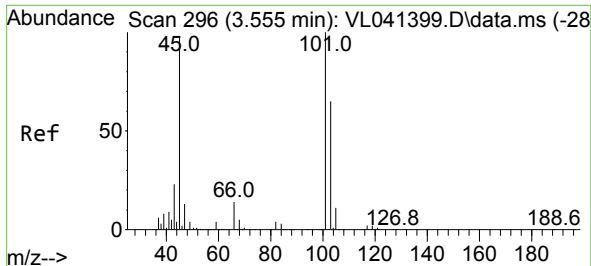
Tgt Ion: 39 Resp: 1691
Ion Ratio Lower Upper
39 100
54 35.1 62.5 93.7#



#17
tert-Butyl alcohol
Concen: 0.062 ppbv
RT: 3.902 min Scan# 404
Delta R.T. 0.019 min
Lab File: VL041586.D
Acq: 22 Aug 2024 14:14

Tgt Ion: 59 Resp: 5723
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#19

Isopropyl Alcohol

Concen: 4.355 ppbv

RT: 3.591 min Scan# 307

Delta R.T. 0.006 min

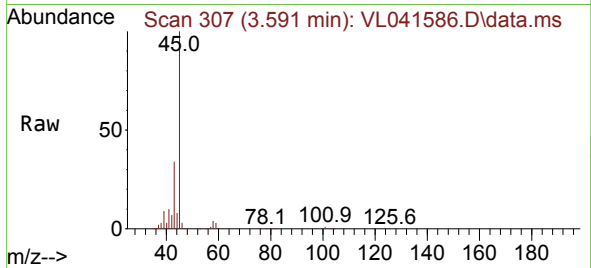
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Acq: 22 Aug 2024 14:14

Instrument :

MSVOA_L

ClientSampleId :

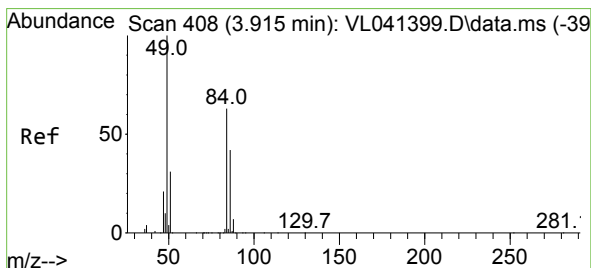
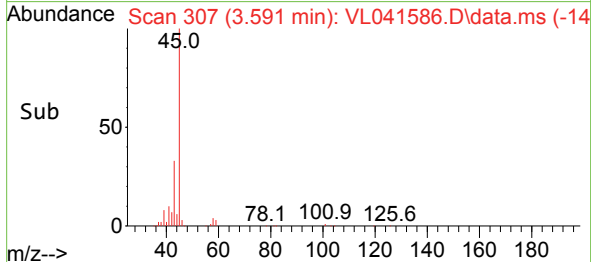
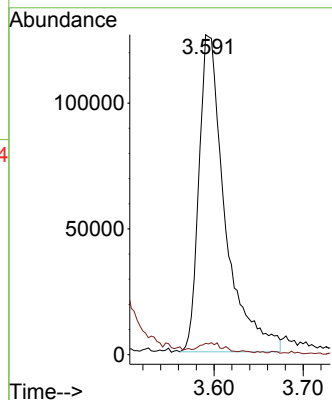


Tgt Ion: 45 Resp: 257406

Ion Ratio Lower Upper

45 100

58 4.4 1.9 2.9#



#20

Methylene Chloride

Concen: 1.056 ppbv

RT: 3.947 min Scan# 418

Delta R.T. 0.010 min

Lab File: VL041586.D

Acq: 22 Aug 2024 14:14

Tgt Ion: 84 Resp: 39791

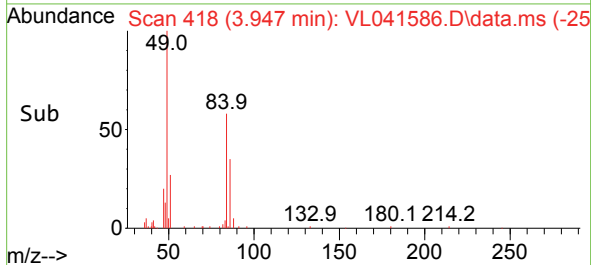
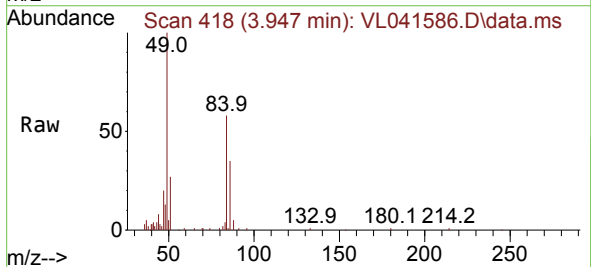
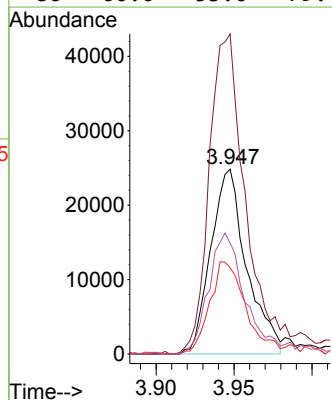
Ion Ratio Lower Upper

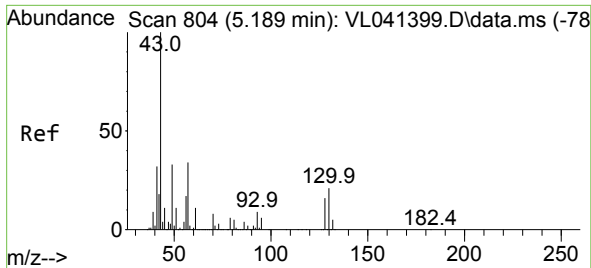
84 100

49 172.4 126.6 190.0

51 46.7 38.6 58.0

86 60.0 53.0 79.4

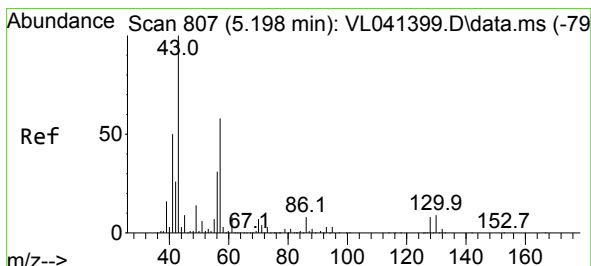
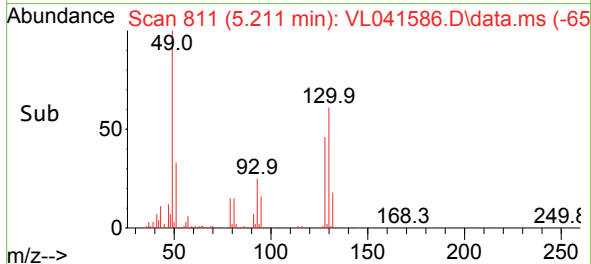
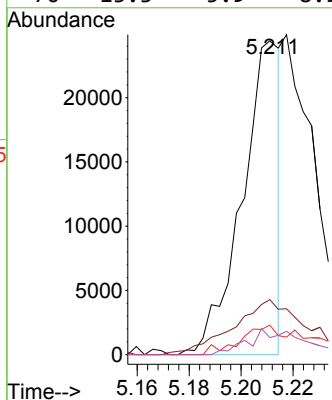
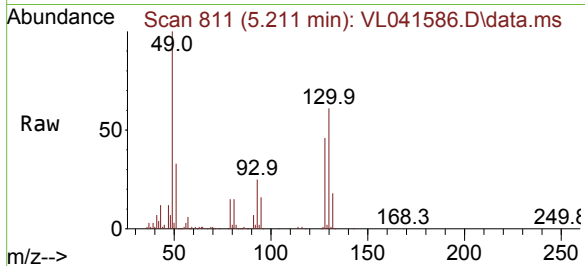




#25
Ethyl Acetate
Concen: 0.123 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.006 min
Lab File: VL041586.D
Acq: 22 Aug 2024 14:14

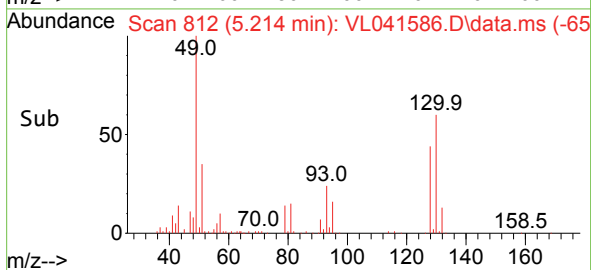
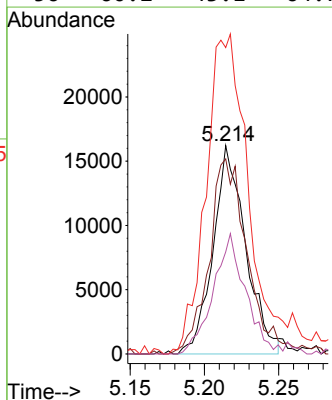
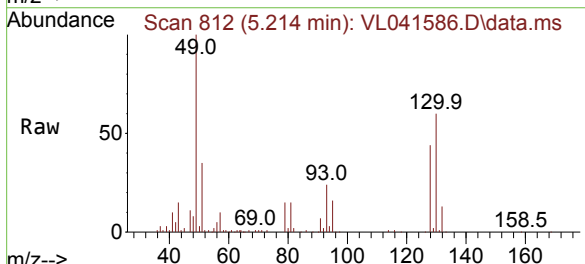
Instrument :
MSVOA_L
ClientSampleId :

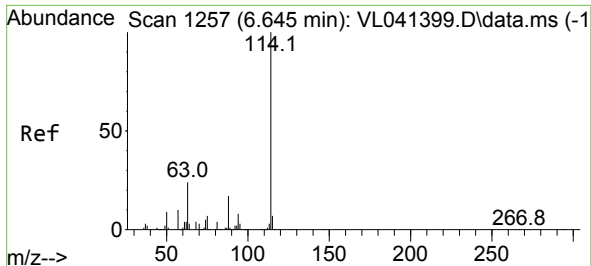
Tgt Ion:	43	Resp:	24765
Ion	Ratio	Lower	Upper
43	100		
45	39.2	8.5	12.7#
61	19.3	8.0	12.0#
70	13.3	5.9	8.9#



#26
Hexane
Concen: 0.297 ppbv
RT: 5.214 min Scan# 812
Delta R.T. -0.000 min
Lab File: VL041586.D
Acq: 22 Aug 2024 14:14

Tgt Ion:	57	Resp:	24774
Ion	Ratio	Lower	Upper
57	100		
41	112.4	74.0	111.0#
43	220.9	193.6	290.4
56	60.2	43.1	64.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 114

Delta R.T. 0.003 min

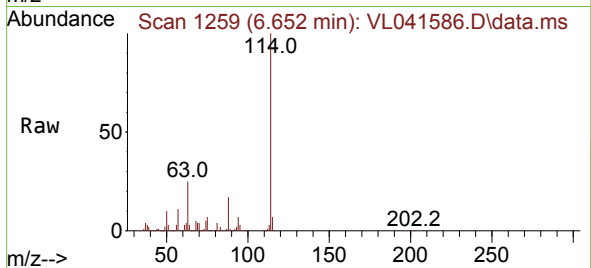
Lab File: VL041586.D

Acq: 22 Aug 2024 14:14

Instrument :

MSVOA_L

ClientSampleId :



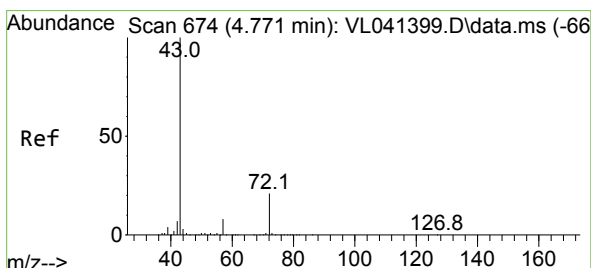
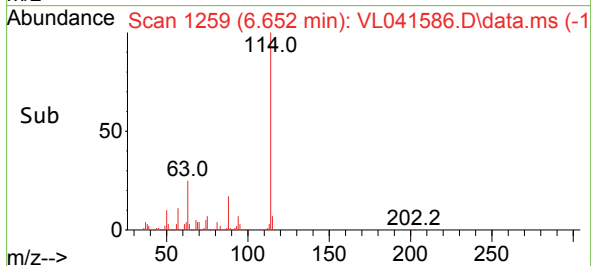
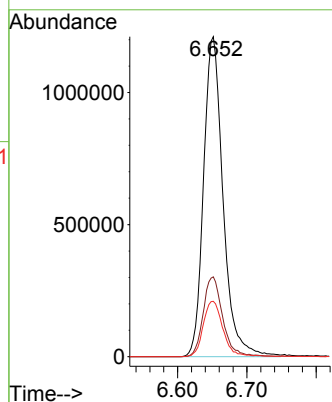
Tgt Ion:114 Resp: 2364531

Ion Ratio Lower Upper

114 100

63 25.2 20.3 30.5

88 17.6 14.3 21.5



#34

2-Butanone

Concen: 0.178 ppbv

RT: 4.803 min Scan# 684

Delta R.T. 0.016 min

Lab File: VL041586.D

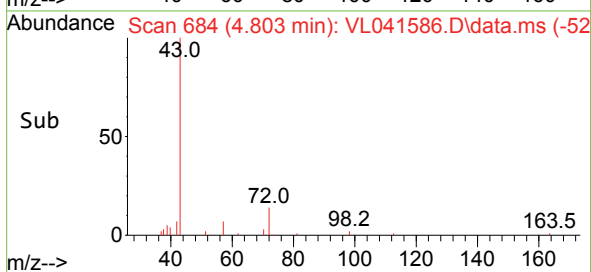
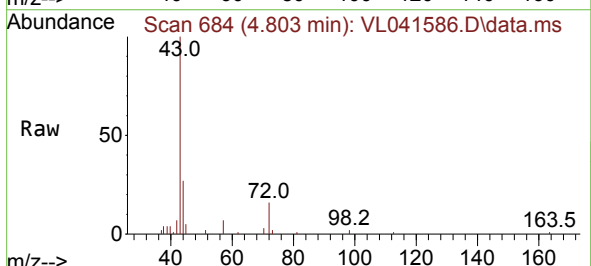
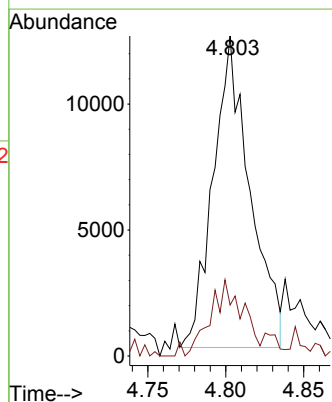
Acq: 22 Aug 2024 14:14

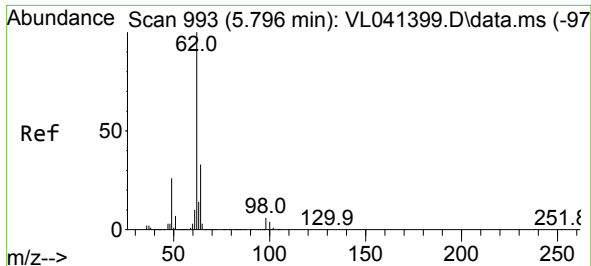
Tgt Ion: 43 Resp: 20347

Ion Ratio Lower Upper

43 100

72 28.4 17.3 25.9#





#37

1,2-Dichloroethane

Concen: 0.070 ppbv

RT: 5.812 min Scan# 993

Delta R.T. 0.006 min

Lab File: VL041586.D

Acq: 22 Aug 2024 14:14

Instrument :

MSVOA_L

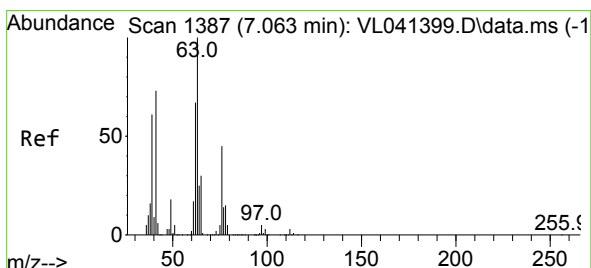
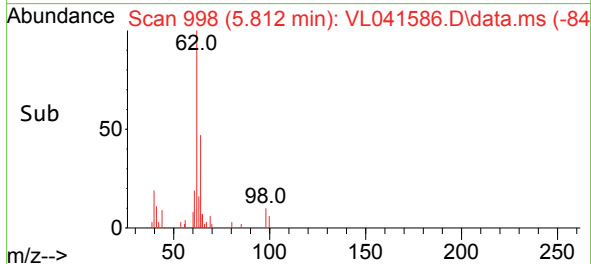
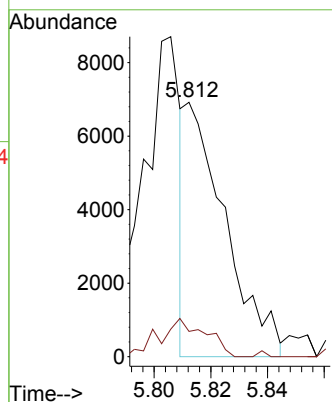
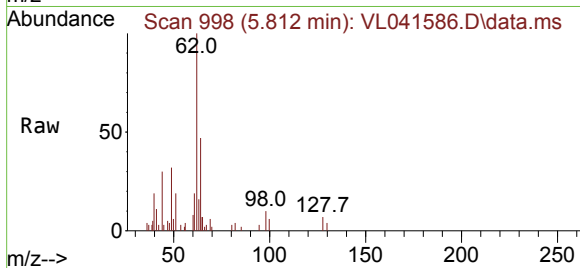
ClientSampleId :

Tgt Ion: 62 Resp: 6752

Ion Ratio Lower Upper

62 100

98 17.9 5.0 7.4#



#39

1,2-Dichloropropane

Concen: 8.919 ppbv

RT: 6.652 min Scan# 1259

Delta R.T. -0.418 min

Lab File: VL041586.D

Acq: 22 Aug 2024 14:14

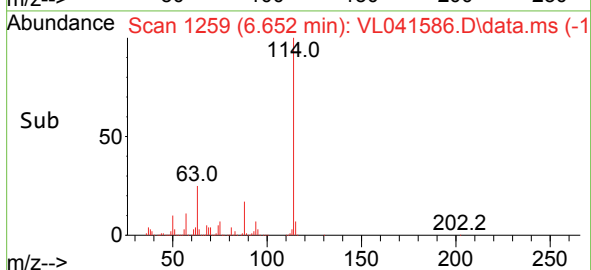
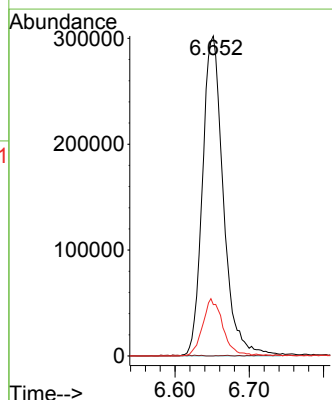
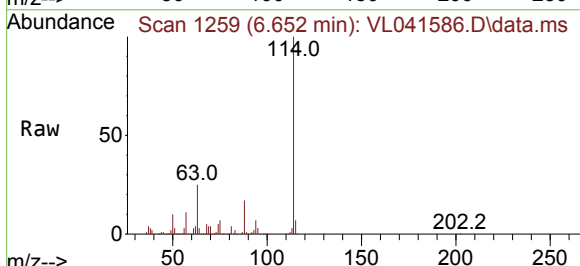
Tgt Ion: 63 Resp: 589939

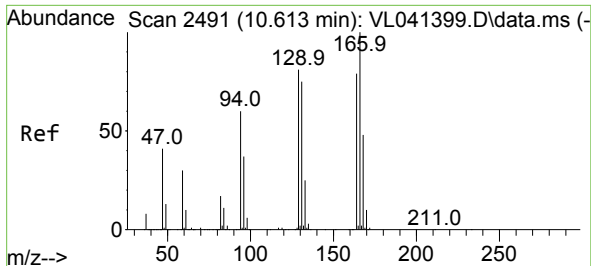
Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

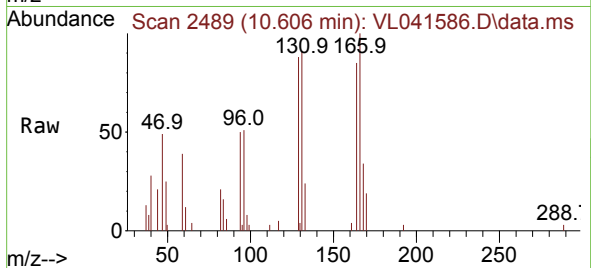
62 16.0 53.9 80.9#



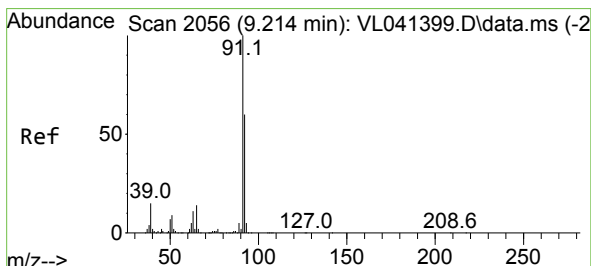
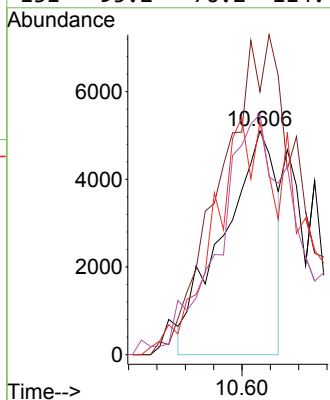
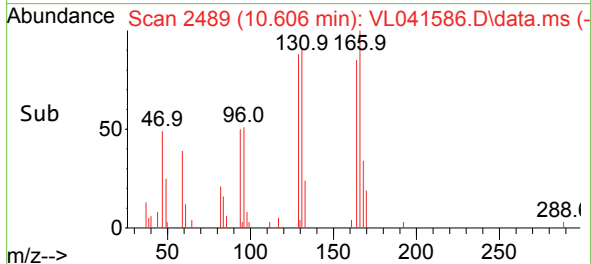


#52
Tetrachloroethene
Concen: 0.100 ppbv
RT: 10.606 min Scan# 2491
Delta R.T. -0.000 min
Lab File: VL041586.D
Acq: 22 Aug 2024 14:14

Instrument :
MSVOA_L
ClientSampleId :

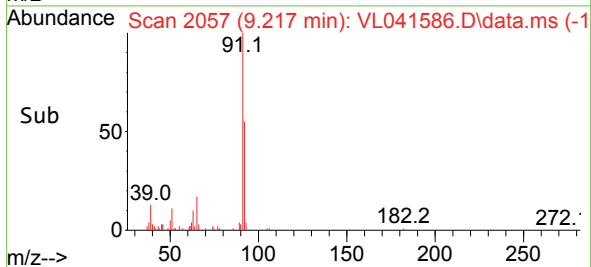
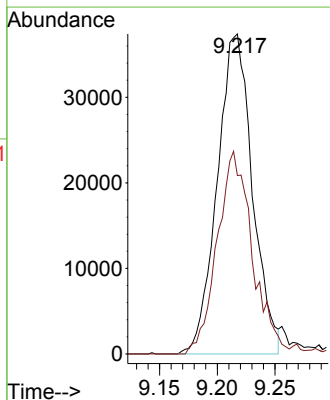
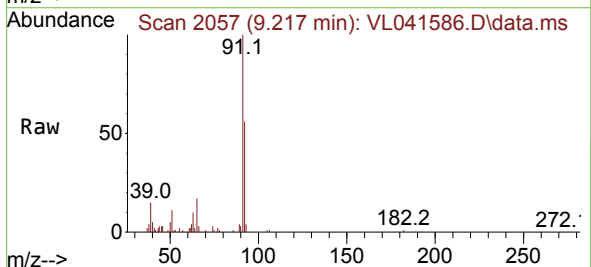


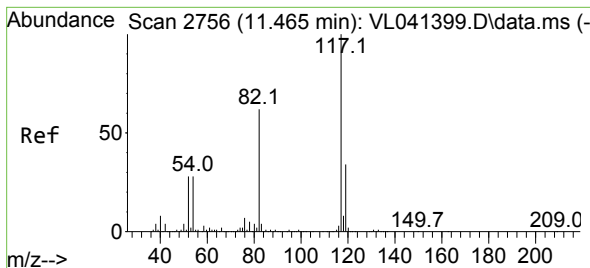
Tgt Ion:164 Resp: 6644
Ion Ratio Lower Upper
164 100
166 116.1 101.1 151.7
129 108.3 81.7 122.5
131 95.2 76.2 114.4



#53
Toluene
Concen: 0.413 ppbv
RT: 9.217 min Scan# 2057
Delta R.T. 0.006 min
Lab File: VL041586.D
Acq: 22 Aug 2024 14:14

Tgt Ion: 91 Resp: 79420
Ion Ratio Lower Upper
91 100
92 64.6 48.7 73.1

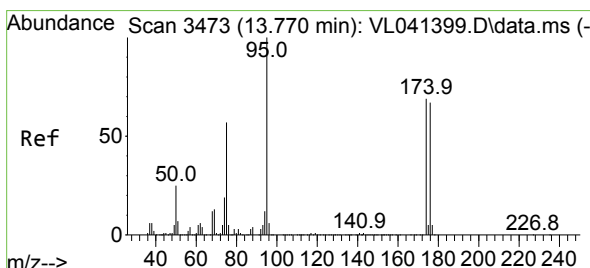
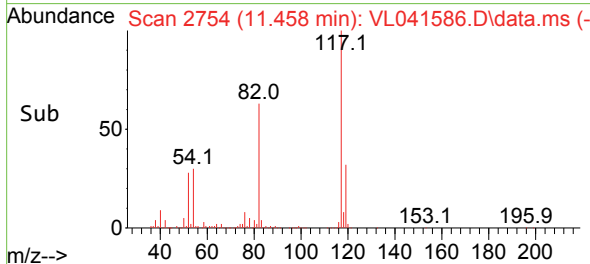
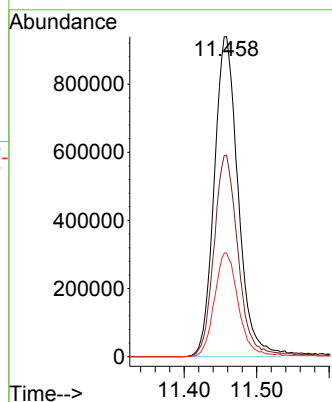
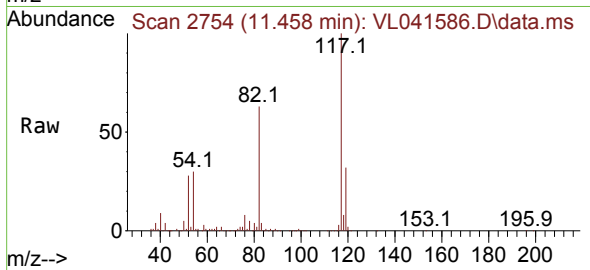




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041586.D
Acq: 22 Aug 2024 14:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2147832
Ion Ratio Lower Upper
117 100
82 65.2 51.0 76.6
119 33.2 45.2 67.8#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.754 ppbv
RT: 13.767 min Scan# 3472
Delta R.T. 0.003 min
Lab File: VL041586.D
Acq: 22 Aug 2024 14:14

Tgt Ion: 95 Resp: 1612195
Ion Ratio Lower Upper
95 100
174 72.3 56.3 84.5
175 5.1 4.0 6.0

