

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052124\
 Data File : VL041264.D
 Acq On : 21 May 2024 14:13
 Operator : SY/MD
 Sample : P2533-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: May 22 05:44:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed May 22 05:39:49 2024
 Response via : Initial Calibration

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

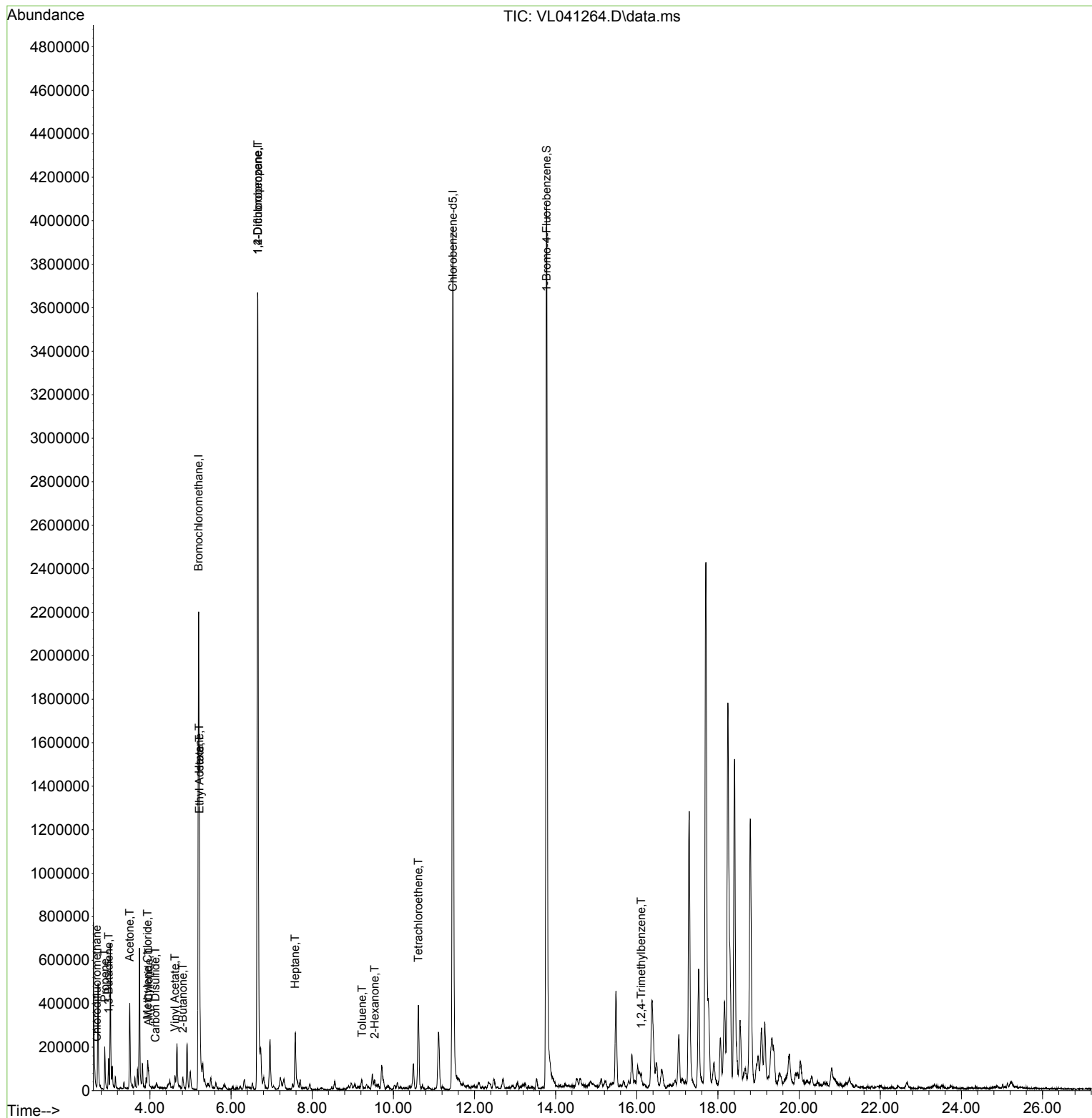
Internal Standards						
1) Bromochloromethane	5.198	49	1097146	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2849093	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2636265	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	2082348	10.463	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.600%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.690	51	6382	0.038	ppbv #	90
9) Propene	2.886	41	49739	0.763	ppbv	93
10) Heptane	7.581	43	122888	0.778	ppbv	94
15) Acetone	3.500	43	167881	1.297	ppbv #	76
16) 1,3-Butadiene	2.980	39	34611	0.530	ppbv #	20
20) Methylene Chloride	3.941	84	31963	0.710	ppbv	94
21) Allyl Chloride	3.967	41	5308	0.063	ppbv #	1
23) Vinyl Acetate	4.616	43	15937	0.112	ppbv #	1
25) Ethyl Acetate	5.221	43	154489	0.598	ppbv #	77
26) Hexane	5.217	57	215727	1.870	ppbv #	40
27) Carbon Disulfide	4.137	76	6522	0.048	ppbv #	1
34) 2-Butanone	4.812	43	69857	0.482	ppbv	97
39) 1,2-Dichloropropane	6.658	63	730160	7.924	ppbv #	25
51) 2-Hexanone	9.542	43	7474	0.039	ppbv #	29
52) Tetrachloroethene	10.619	164	94548	1.125	ppbv	96
53) Toluene	9.227	91	16435	0.059	ppbv #	63
74) 1,2,4-Trimethylbenzene	16.104	105	19870	0.062	ppbv #	62

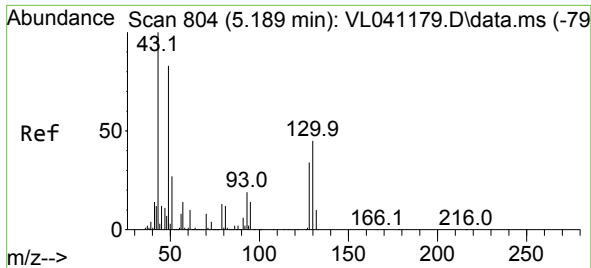
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

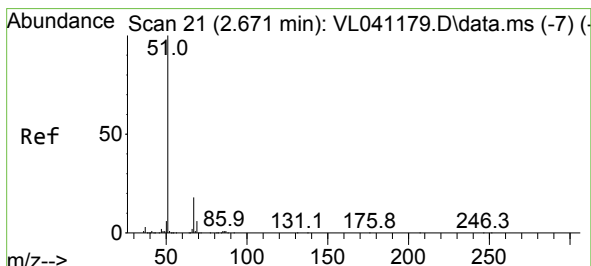
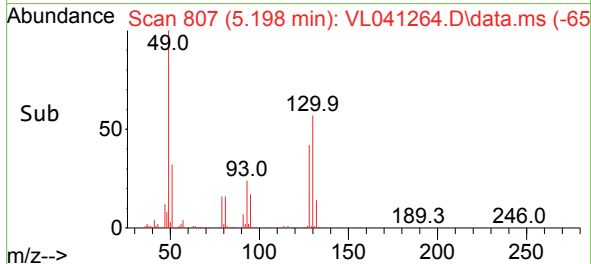
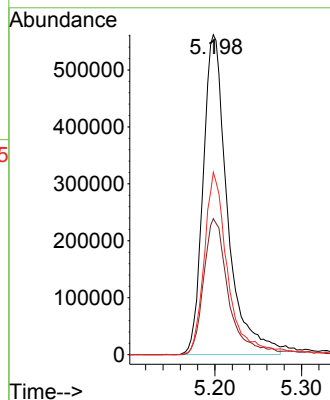
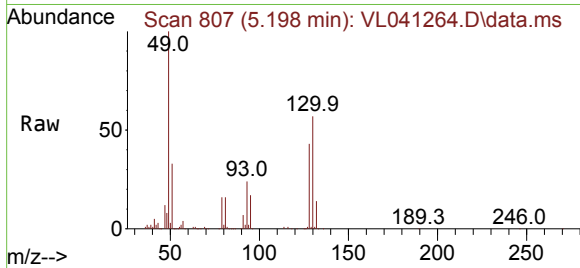




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL041264.D
Acq: 21 May 2024 14:13

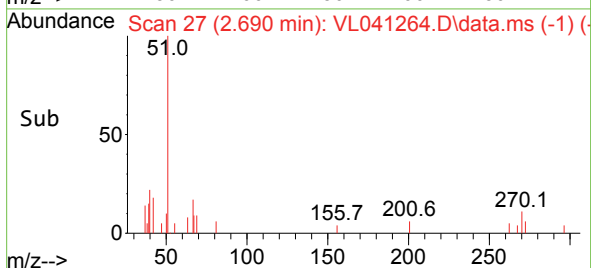
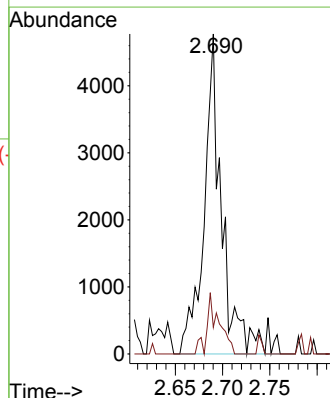
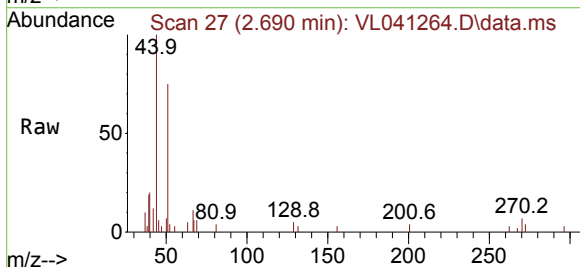
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

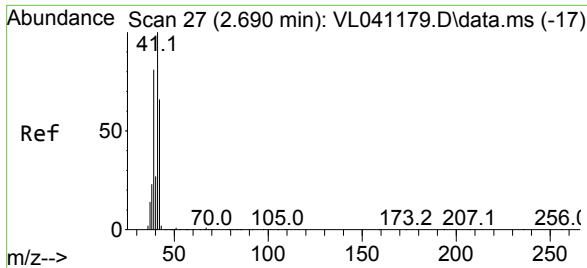
Tgt Ion: 49 Resp: 1097146
Ion Ratio Lower Upper
49 100
128 45.4 21.5 64.5
130 56.5 27.2 81.6



#3
Chlorodifluoromethane
Concen: 0.038 ppbv
RT: 2.690 min Scan# 27
Delta R.T. -0.003 min
Lab File: VL041264.D
Acq: 21 May 2024 14:13

Tgt Ion: 51 Resp: 6382
Ion Ratio Lower Upper
51 100
67 13.1 14.0 21.0

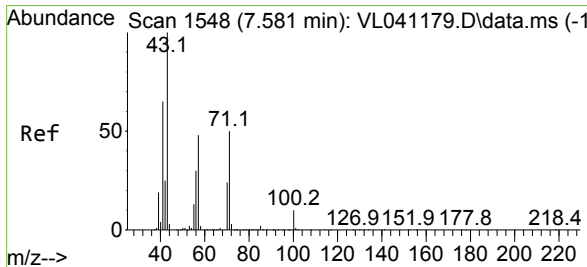
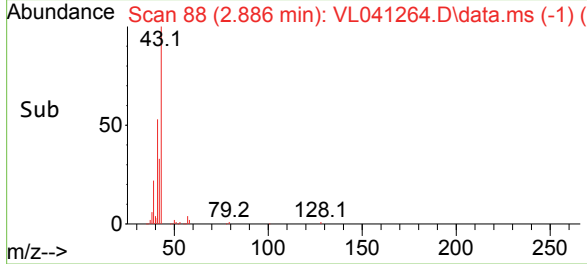
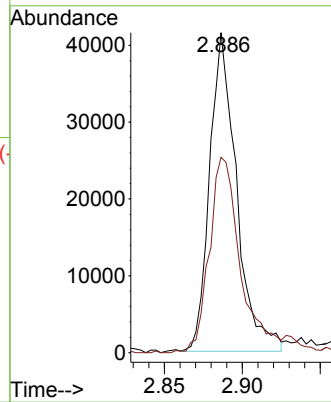
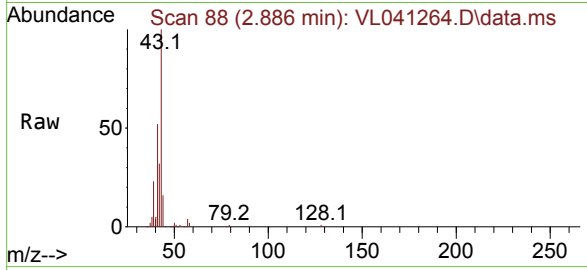




#9
 Propene
 Concen: 0.763 ppbv
 RT: 2.886 min Scan# 81
 Delta R.T. 0.173 min
 Lab File: VL041264.D
 Acq: 21 May 2024 14:13

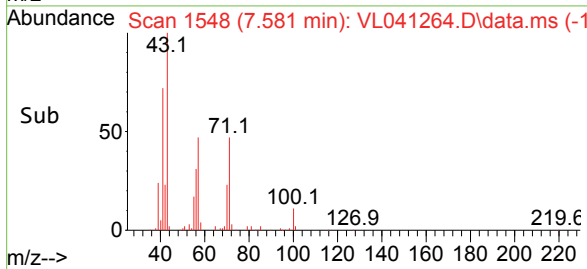
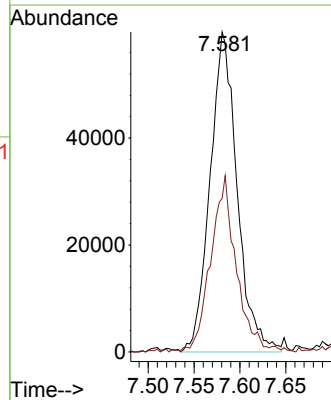
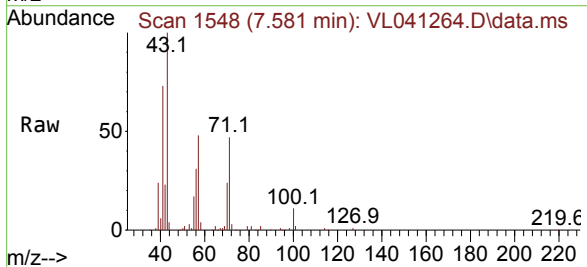
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

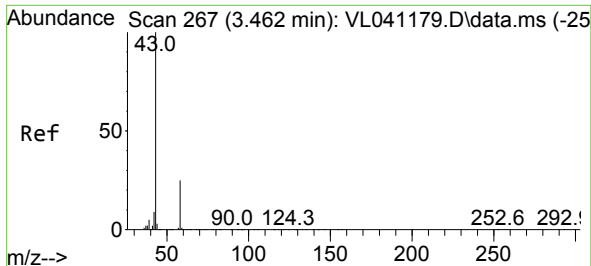
Tgt Ion: 41 Resp: 49739
 Ion Ratio Lower Upper
 41 100
 42 74.5 55.3 82.9



#10
 Heptane
 Concen: 0.778 ppbv
 RT: 7.581 min Scan# 1548
 Delta R.T. -0.003 min
 Lab File: VL041264.D
 Acq: 21 May 2024 14:13

Tgt Ion: 43 Resp: 122888
 Ion Ratio Lower Upper
 43 100
 57 52.4 38.7 58.1

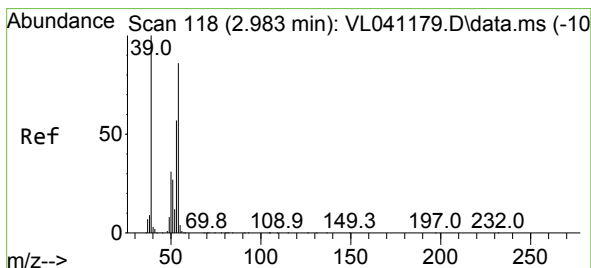
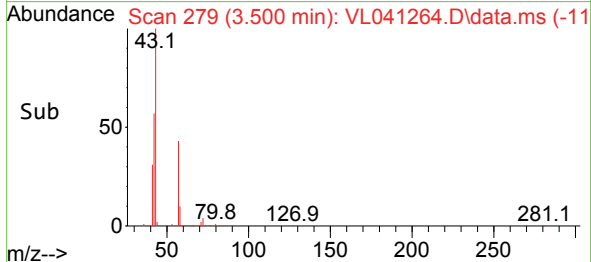
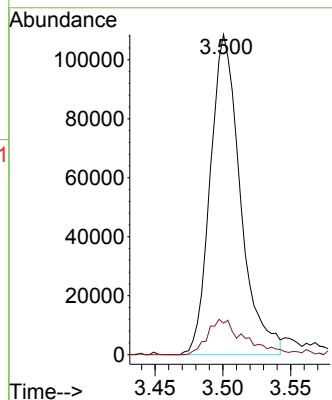
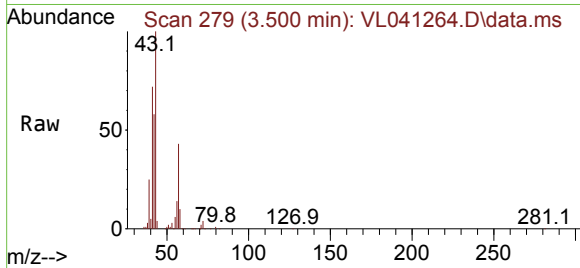




#15
Acetone
Concen: 1.297 ppbv
RT: 3.500 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL041264.D
Acq: 21 May 2024 14:13

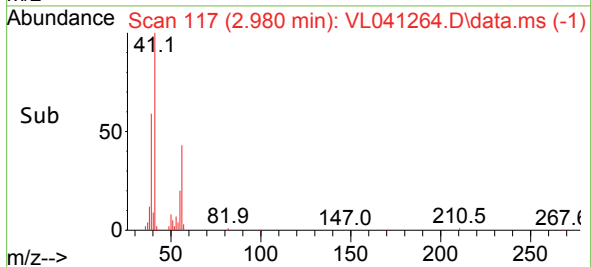
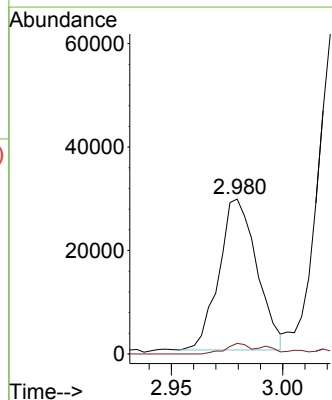
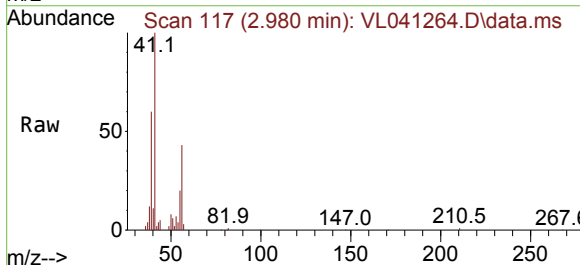
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

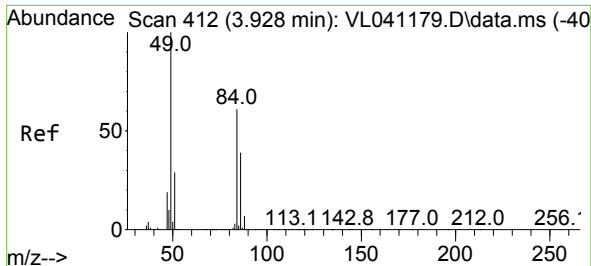
Tgt Ion: 43 Resp: 167881
Ion Ratio Lower Upper
43 100
58 14.2 21.4 32.0#



#16
1,3-Butadiene
Concen: 0.530 ppbv
RT: 2.980 min Scan# 117
Delta R.T. -0.023 min
Lab File: VL041264.D
Acq: 21 May 2024 14:13

Tgt Ion: 39 Resp: 34611
Ion Ratio Lower Upper
39 100
54 7.8 62.2 93.4#

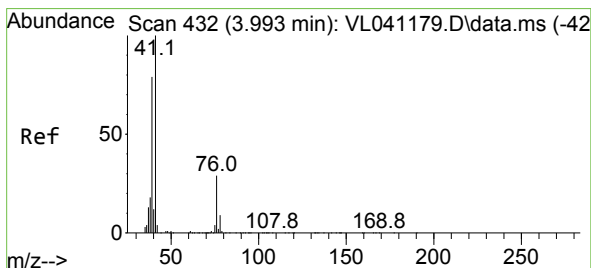
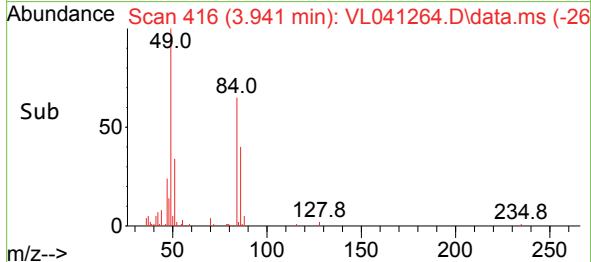
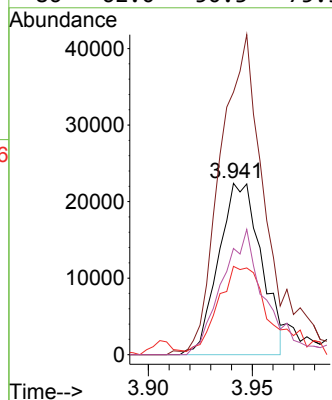
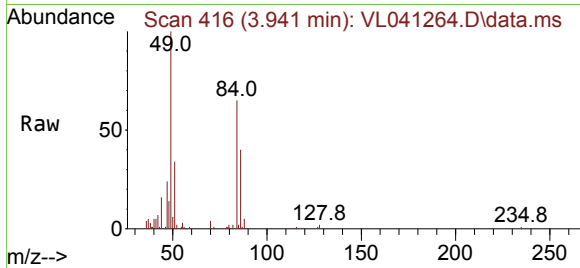




#20
Methylene Chloride
Concen: 0.710 ppbv
RT: 3.941 min Scan# 416
Delta R.T. -0.003 min
Lab File: VL041264.D
Acq: 21 May 2024 14:13

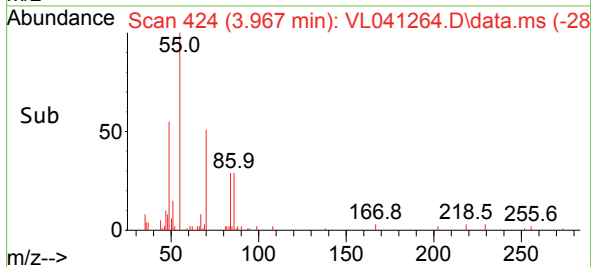
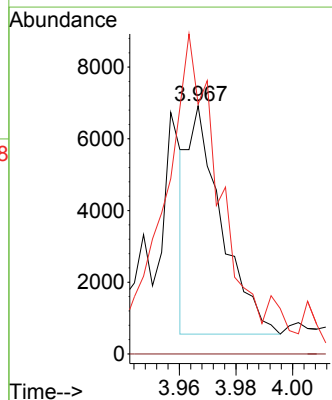
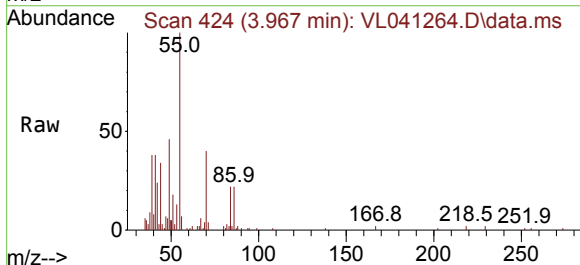
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

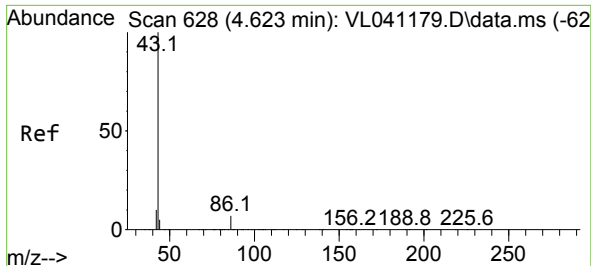
Tgt Ion:	84	Resp:	31963
Ion	Ratio	Lower	Upper
84	100		
49	151.2	130.4	195.6
51	47.4	38.0	57.0
86	62.0	50.3	75.5



#21
Allyl Chloride
Concen: 0.063 ppbv
RT: 3.967 min Scan# 424
Delta R.T. -0.042 min
Lab File: VL041264.D
Acq: 21 May 2024 14:13

Tgt Ion:	41	Resp:	5308
Ion	Ratio	Lower	Upper
41	100		
76	0.0	23.7	35.5#
39	217.2	64.7	97.1#

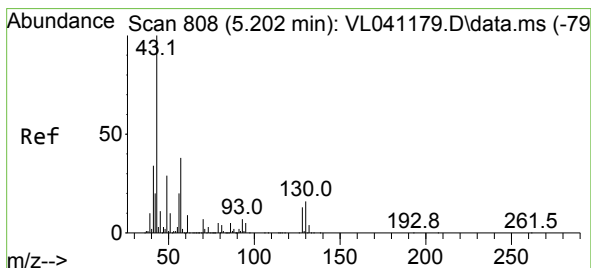
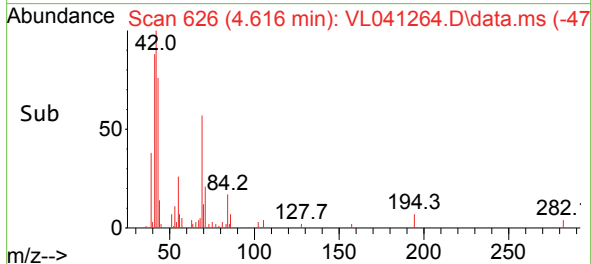
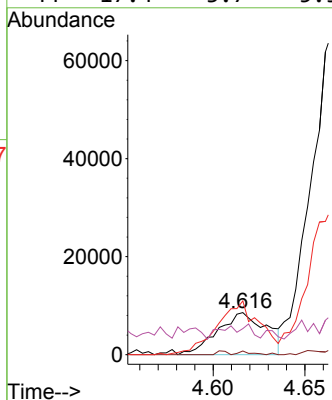
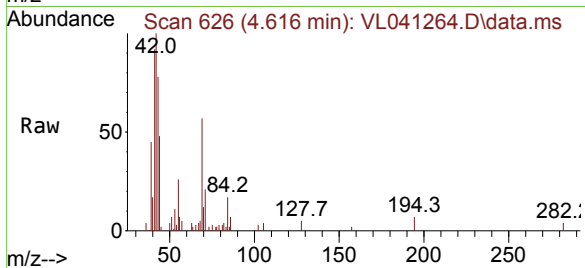




#23
Vinyl Acetate
Concen: 0.112 ppbv
RT: 4.616 min Scan# 61
Delta R.T. -0.019 min
Lab File: VL041264.D
Acq: 21 May 2024 14:13

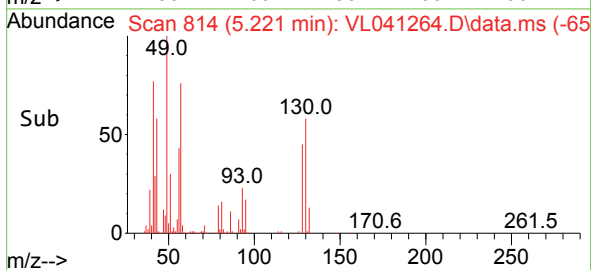
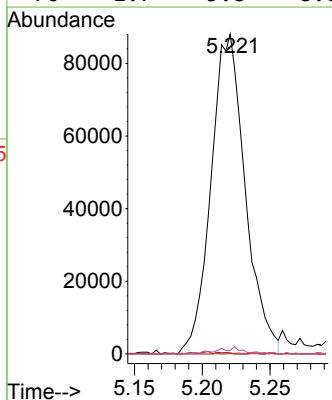
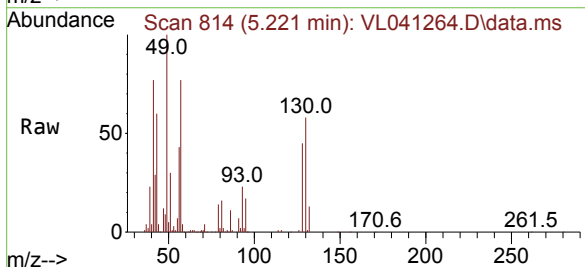
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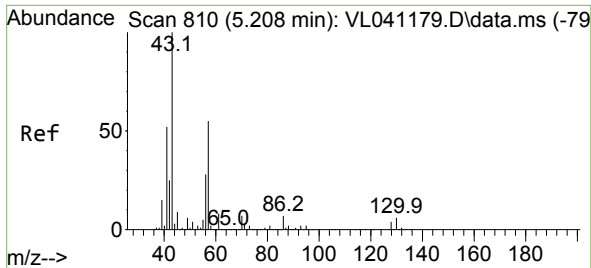
Tgt Ion:	43	Resp:	15937
Ion	Ratio	Lower	Upper
43	100		
86	8.7	4.9	7.3#
42	122.3	8.0	12.0#
44	17.4	3.7	5.5#



#25
Ethyl Acetate
Concen: 0.598 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.009 min
Lab File: VL041264.D
Acq: 21 May 2024 14:13

Tgt Ion:	43	Resp:	154489
Ion	Ratio	Lower	Upper
43	100		
45	0.5	8.2	12.2#
61	0.1	7.7	11.5#
70	1.7	5.8	8.6#

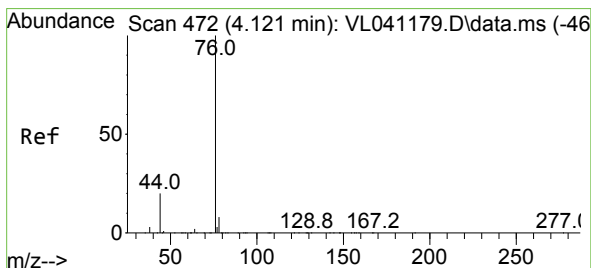
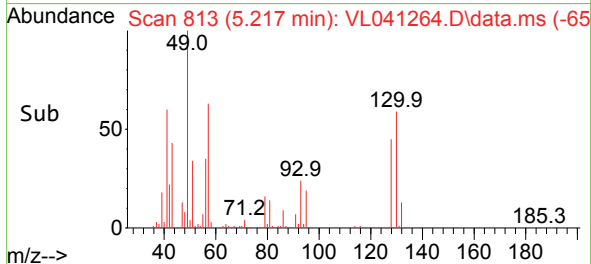
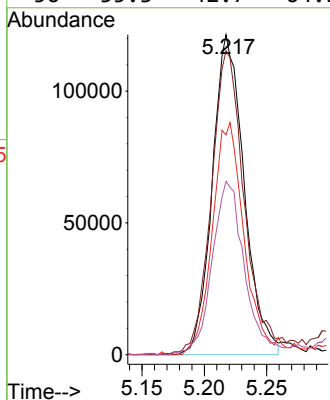
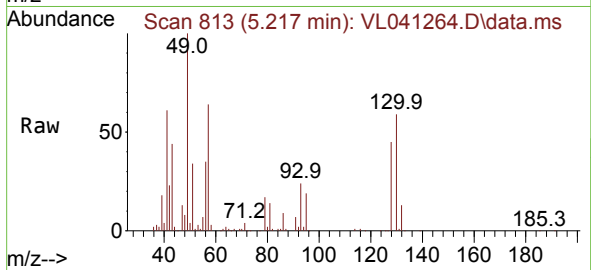




#26
Hexane
Concen: 1.870 ppbv
RT: 5.217 min Scan# 810
Delta R.T. -0.003 min
Lab File: VL041264.D
Acq: 21 May 2024 14:13

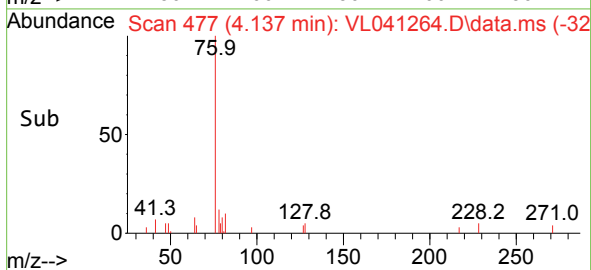
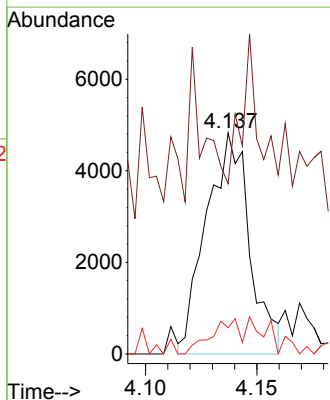
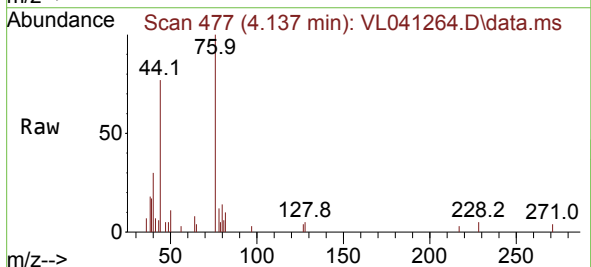
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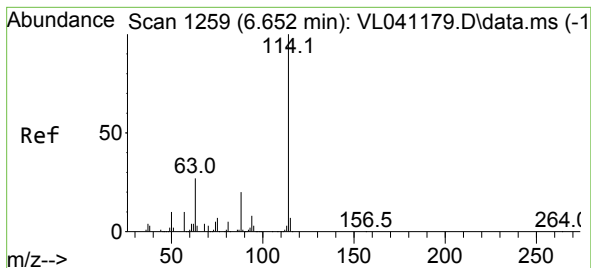
Tgt Ion: 57 Resp: 215727
Ion Ratio Lower Upper
57 100
41 99.6 75.8 113.8
43 74.0 187.0 280.4#
56 55.3 42.7 64.1



#27
Carbon Disulfide
Concen: 0.048 ppbv
RT: 4.137 min Scan# 477
Delta R.T. 0.003 min
Lab File: VL041264.D
Acq: 21 May 2024 14:13

Tgt Ion: 76 Resp: 6522
Ion Ratio Lower Upper
76 100
44 120.3 16.3 24.5#
78 25.0 7.3 10.9#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL041264.D

Acq: 21 May 2024 14:13

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

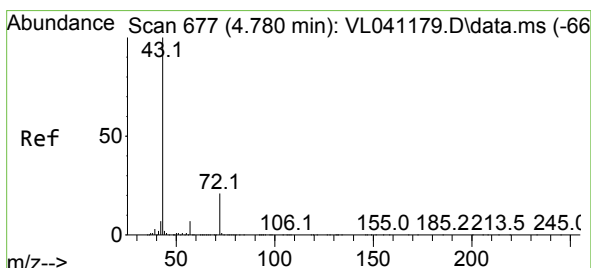
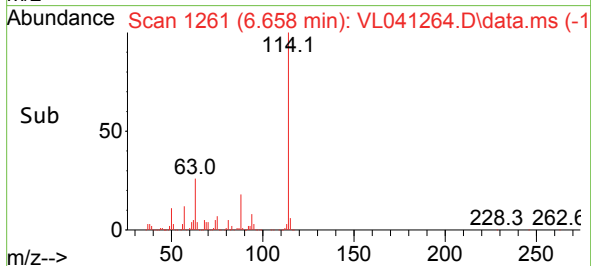
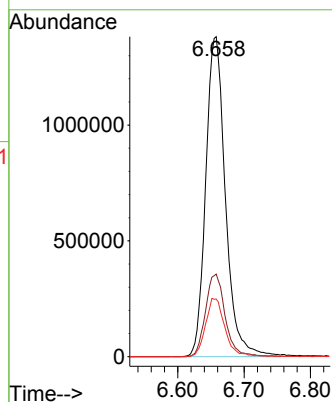
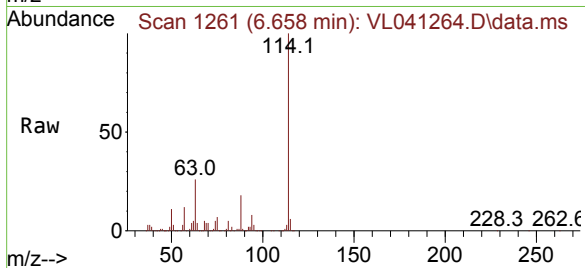
Tgt Ion:114 Resp: 2849093

Ion Ratio Lower Upper

114 100

63 25.9 21.8 32.6

88 18.0 15.2 22.8



#34

2-Butanone

Concen: 0.482 ppbv

RT: 4.812 min Scan# 687

Delta R.T. 0.019 min

Lab File: VL041264.D

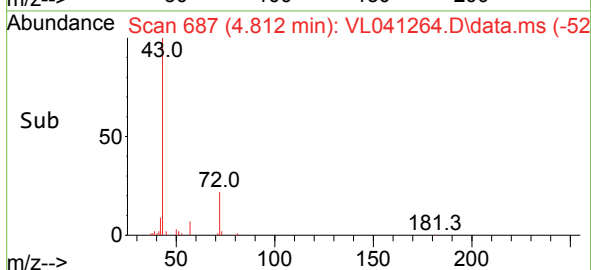
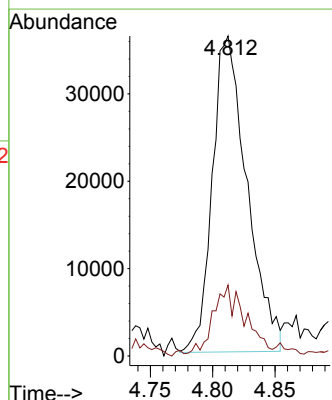
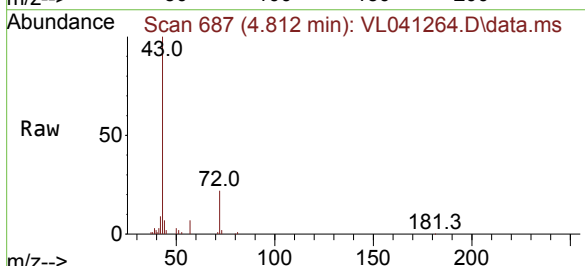
Acq: 21 May 2024 14:13

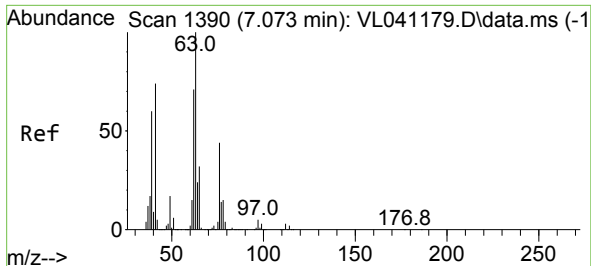
Tgt Ion: 43 Resp: 69857

Ion Ratio Lower Upper

43 100

72 23.2 17.3 25.9





#39

1,2-Dichloropropane

Concen: 7.924 ppbv

RT: 6.658 min Scan# 11

Delta R.T. -0.418 min

Lab File: VL041264.D

Acq: 21 May 2024 14:13

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

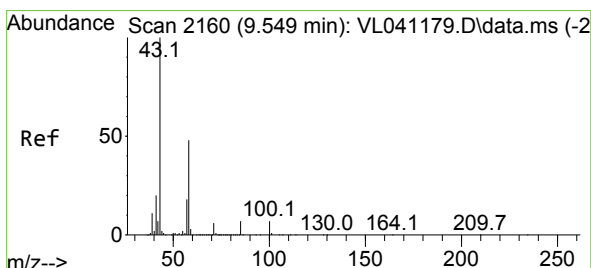
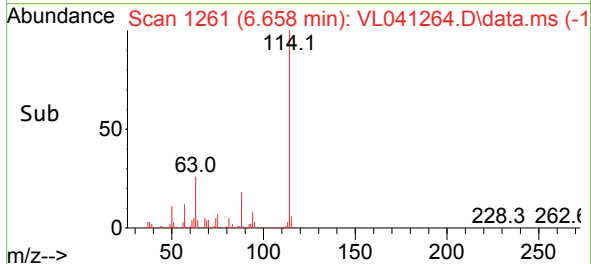
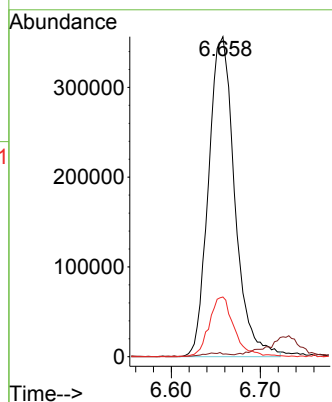
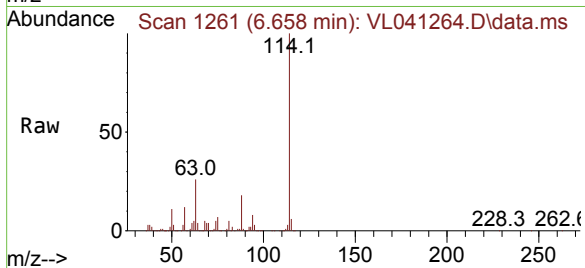
Tgt Ion: 63 Resp: 730160

Ion Ratio Lower Upper

63 100

41 0.7 59.4 89.0#

62 18.5 56.8 85.2#



#51

2-Hexanone

Concen: 0.039 ppbv

RT: 9.542 min Scan# 2158

Delta R.T. -0.007 min

Lab File: VL041264.D

Acq: 21 May 2024 14:13

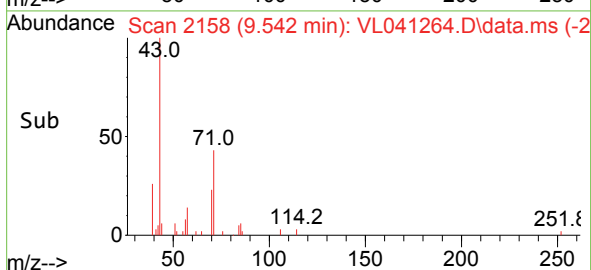
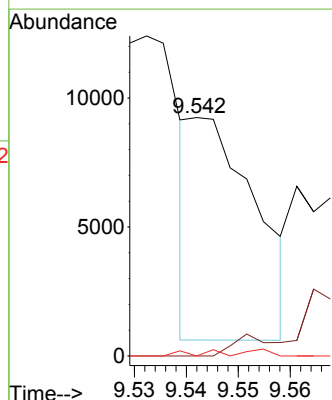
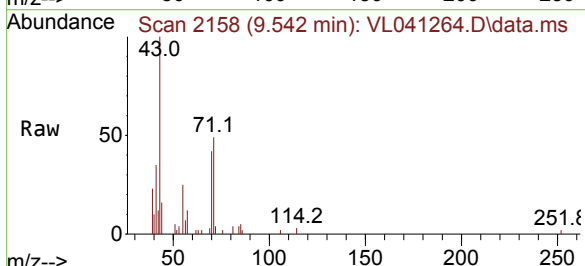
Tgt Ion: 43 Resp: 7474

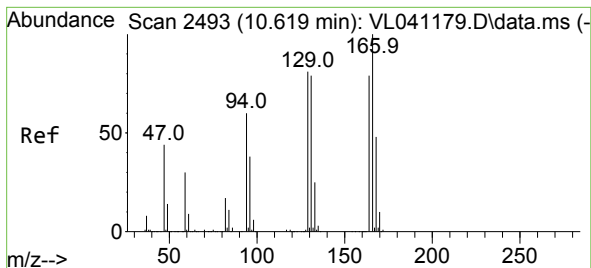
Ion Ratio Lower Upper

43 100

58 0.0 38.4 57.6#

98 0.0 0.0 0.0





#52

Tetrachloroethene

Concen: 1.125 ppbv

RT: 10.619 min Scan# 2493

Delta R.T. 0.003 min

Lab File: VL041264.D

Acq: 21 May 2024 14:13

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion:164 Resp: 94548

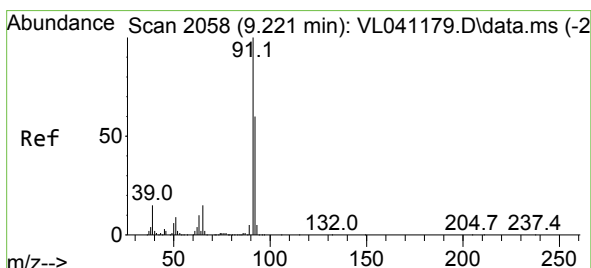
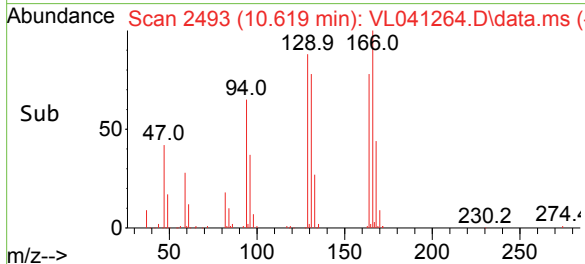
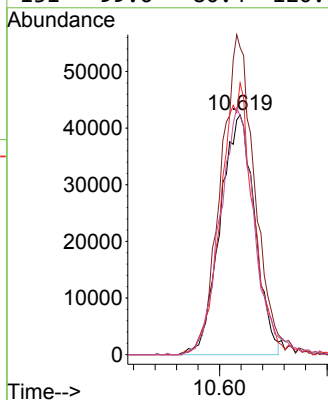
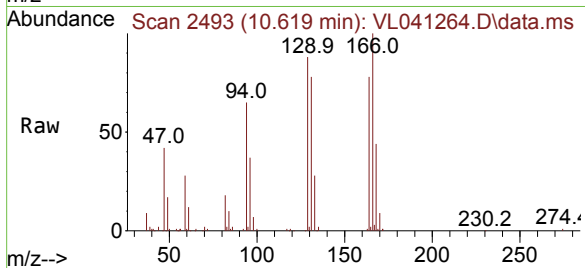
Ion Ratio Lower Upper

164 100

166 128.1 101.1 151.7

129 113.3 81.7 122.5

131 99.6 80.4 120.6



#53

Toluene

Concen: 0.059 ppbv

RT: 9.227 min Scan# 2060

Delta R.T. 0.006 min

Lab File: VL041264.D

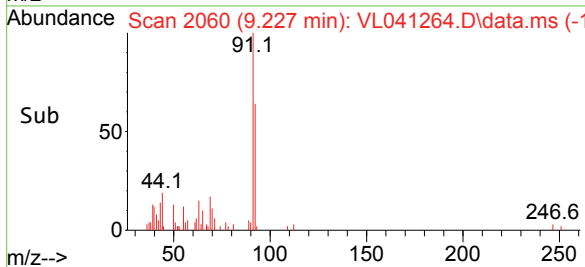
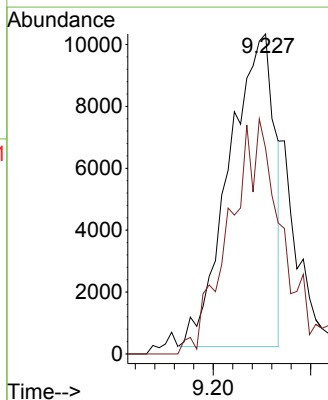
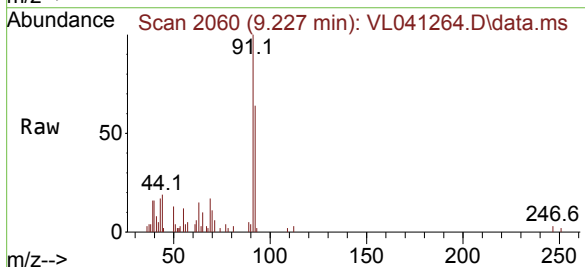
Acq: 21 May 2024 14:13

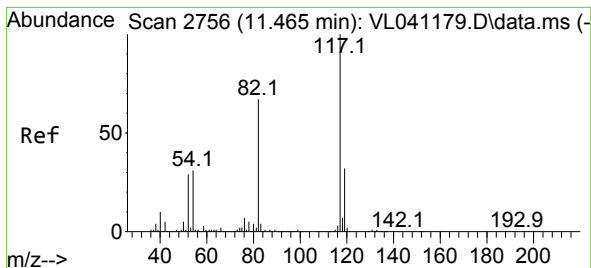
Tgt Ion: 91 Resp: 16435

Ion Ratio Lower Upper

91 100

92 88.6 48.2 72.4#

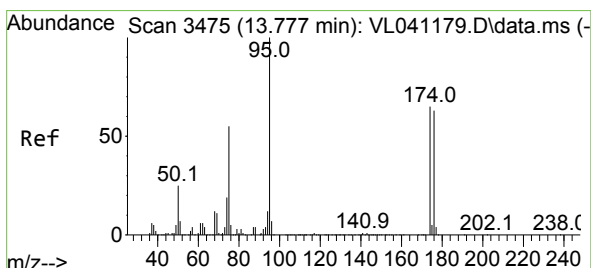
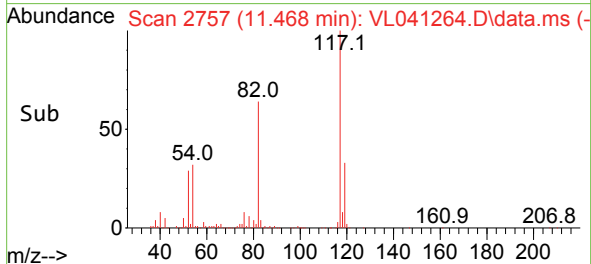
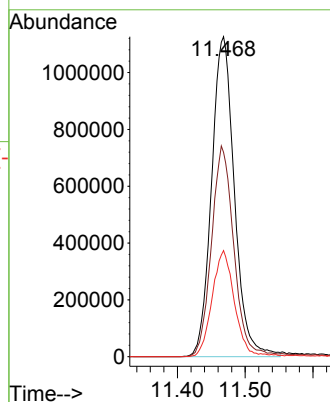
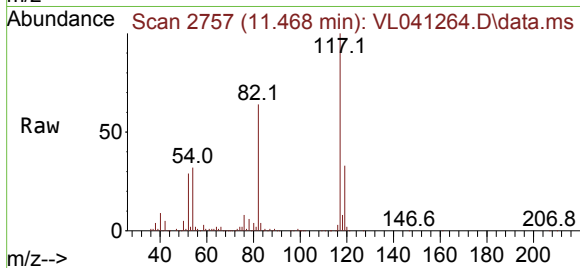




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041264.D
Acq: 21 May 2024 14:13

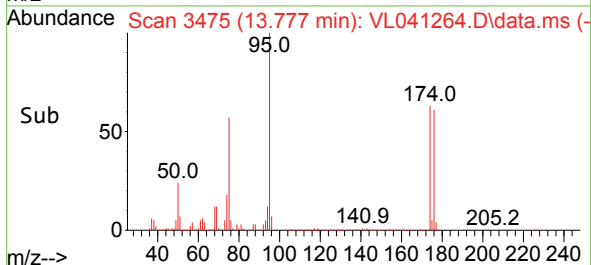
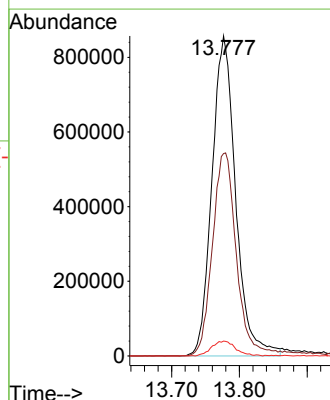
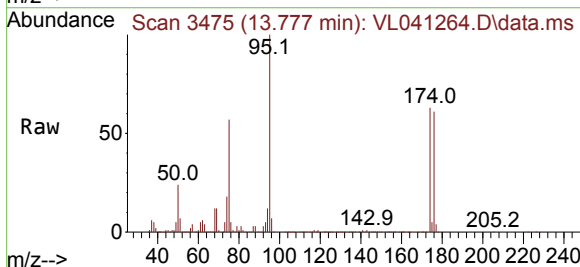
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

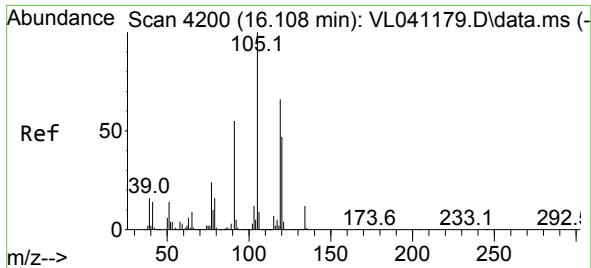
Tgt Ion:117 Resp: 2636265
Ion Ratio Lower Upper
117 100
82 65.9 53.6 80.4
119 33.2 27.2 40.8



#68
1-Bromo-4-Fluorobenzene
Concen: 10.463 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. 0.003 min
Lab File: VL041264.D
Acq: 21 May 2024 14:13

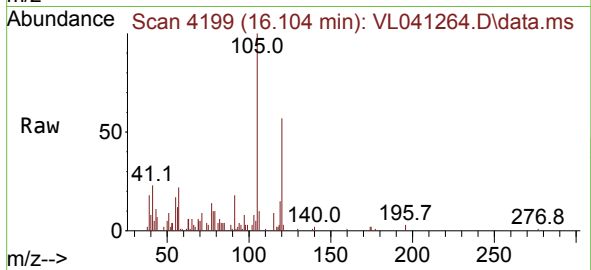
Tgt Ion: 95 Resp: 2082348
Ion Ratio Lower Upper
95 100
174 66.4 53.6 80.4
175 5.0 4.2 6.4





#74
 1,2,4-Trimethylbenzene
 Concen: 0.062 ppbv
 RT: 16.104 min Scan# 4199
 Delta R.T. -0.000 min
 Lab File: VL041264.D
 Acq: 21 May 2024 14:13

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL



Tgt Ion:	105	Resp:	19870
Ion	Ratio	Lower	Upper
105	100		
120	57.7	37.8	56.6#
91	14.6	44.3	66.5#
77	3.1	19.0	28.4#

