

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
 Data File : VL041428.D
 Acq On : 29 Jul 2024 14:15
 Operator : SY/MD
 Sample : P3342-02DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 30 02:49:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jul 30 02:42:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1083399	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.651	114	3011369	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2783814	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	2177698	10.165	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.700%

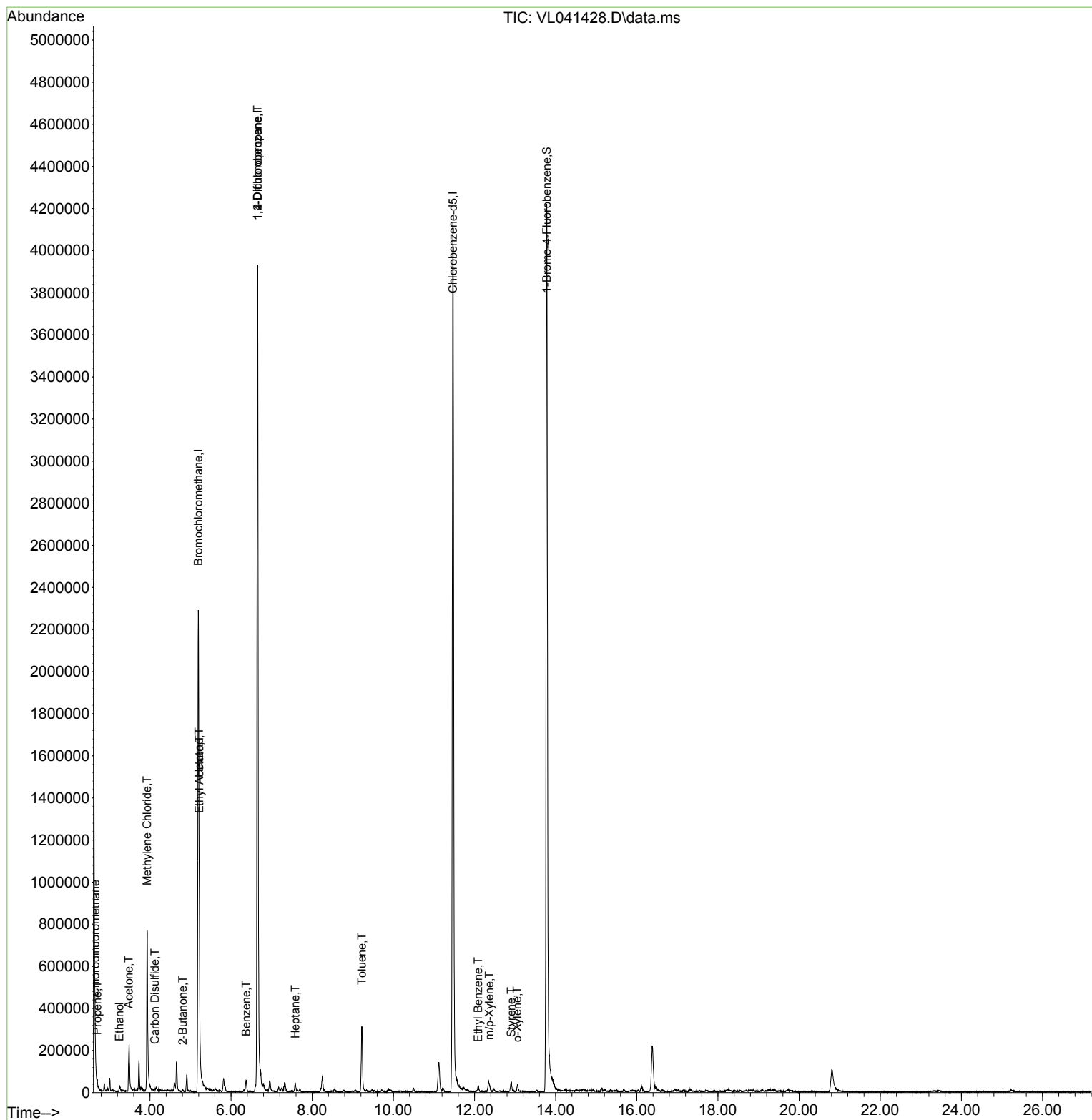
Target Compounds						Qvalue
3) Chlorodifluoromethane	2.655	51	9458	0.073	ppbv #	68
9) Propene	2.700	41	8711	0.147	ppbv	99
10) Heptane	7.584	43	4830	0.036	ppbv #	27
13) Ethanol	3.250	45	24987	4.719	ppbv	72
15) Acetone	3.478	43	175695	1.427	ppbv	93
20) Methylene Chloride	3.931	84	249339	5.432	ppbv	96
25) Ethyl Acetate	5.214	43	166114	0.679	ppbv #	76
26) Hexane	5.211	57	226949	2.237	ppbv #	37
27) Carbon Disulfide	4.127	76	3915	0.033	ppbv #	1
34) 2-Butanone	4.812	43	9878	0.068	ppbv #	83
36) Benzene	6.375	78	44469	0.202	ppbv #	91
39) 1,2-Dichloropropane	6.651	63	743684	8.828	ppbv #	25
53) Toluene	9.220	91	236088	0.963	ppbv	100
58) Ethyl Benzene	12.092	91	10376	0.032	ppbv	91
59) m/p-Xylene	12.365	91	14830	0.054	ppbv #	31
60) o-Xylene	13.053	91	23585	0.090	ppbv	99
61) Styrene	12.905	104	27437	0.232	ppbv	91

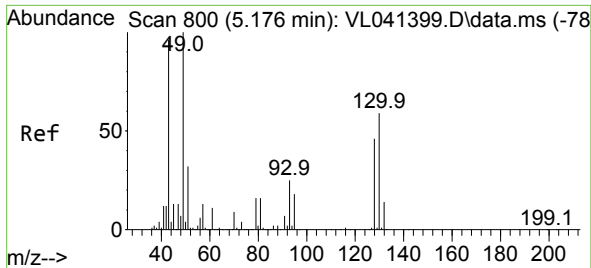
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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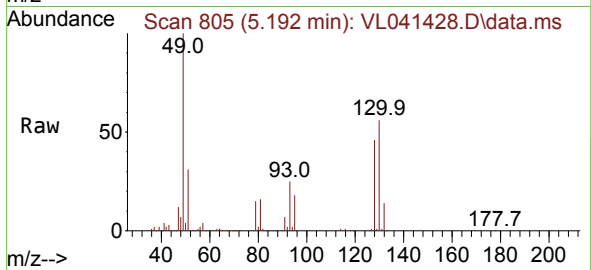
Quant Time: Jul 30 02:49:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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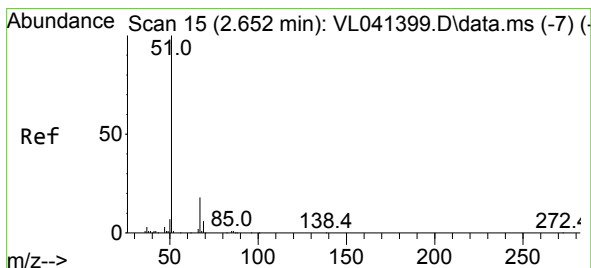
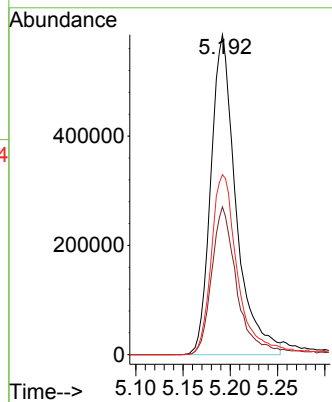
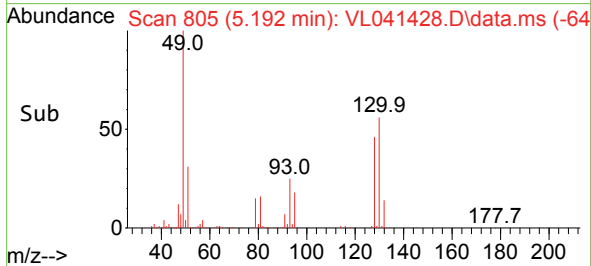


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.013 min
Lab File: VL041428.D
Acq: 29 Jul 2024 14:15

Instrument :
MSVOA_L
ClientSampleId :

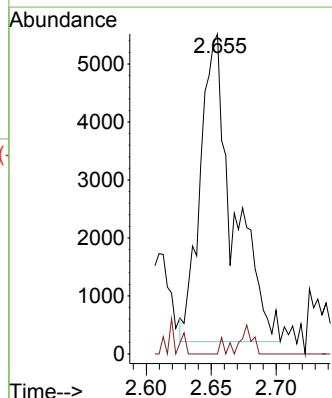
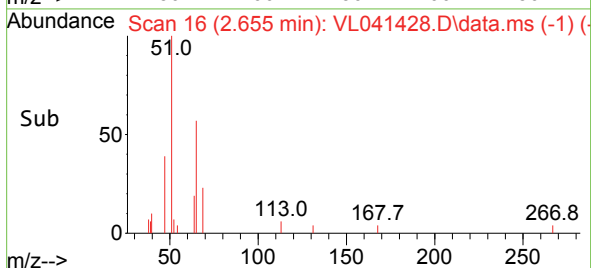
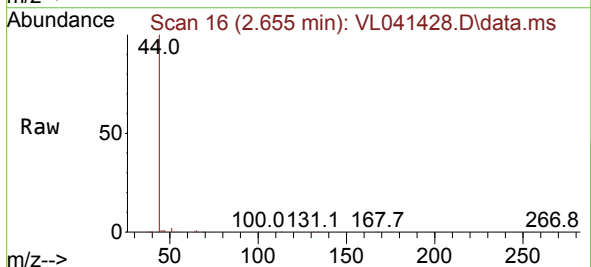


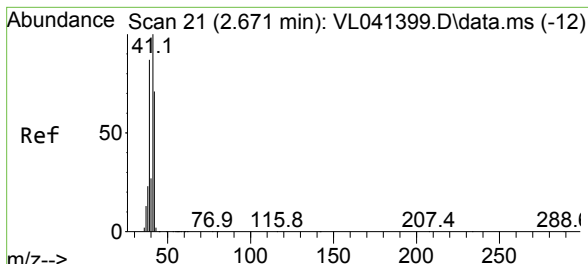
Tgt Ion: 49 Resp: 1083399
Ion Ratio Lower Upper
49 100
128 48.9 23.8 71.4
130 61.7 30.8 92.4



#3
Chlorodifluoromethane
Concen: 0.073 ppbv
RT: 2.655 min Scan# 16
Delta R.T. -0.000 min
Lab File: VL041428.D
Acq: 29 Jul 2024 14:15

Tgt Ion: 51 Resp: 9458
Ion Ratio Lower Upper
51 100
67 4.0 14.5 21.7#

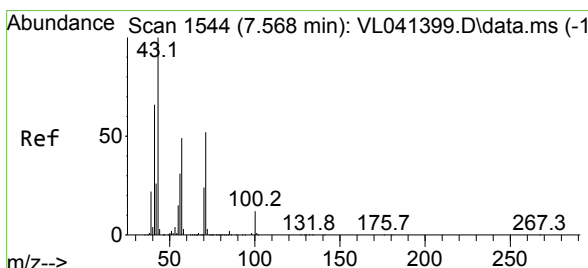
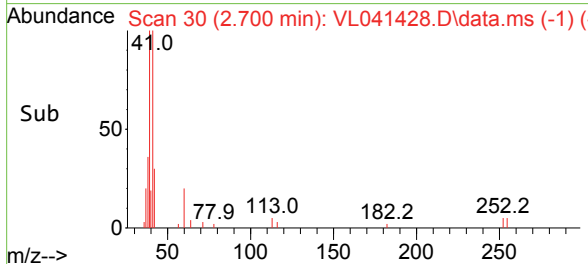
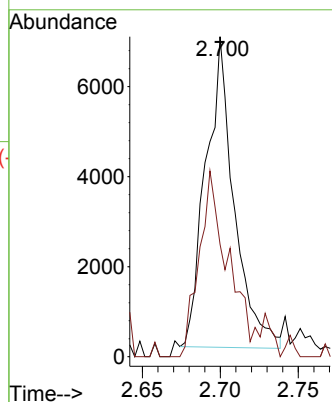
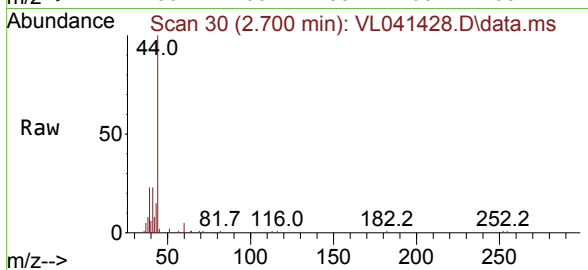




#9
 Propene
 Concen: 0.147 ppbv
 RT: 2.700 min Scan# 30
 Delta R.T. 0.029 min
 Lab File: VL041428.D
 Acq: 29 Jul 2024 14:15

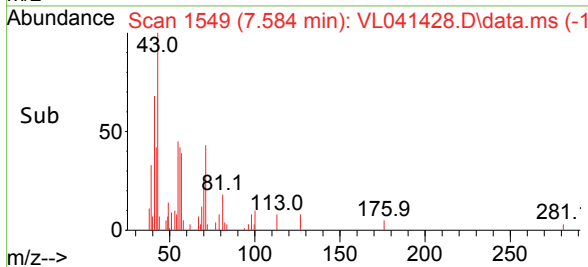
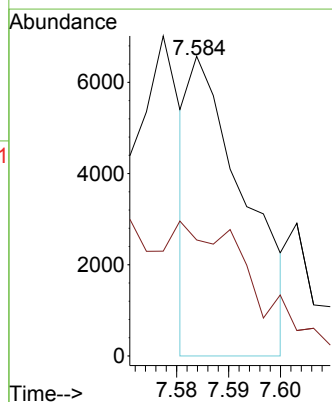
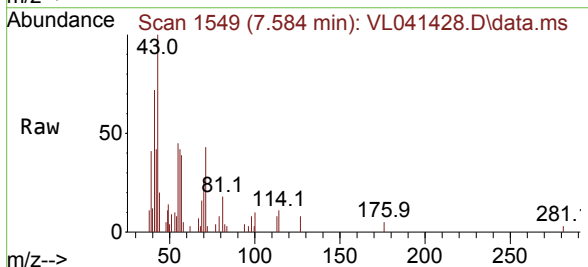
Instrument :
 MSVOA_L
 ClientSampleId :

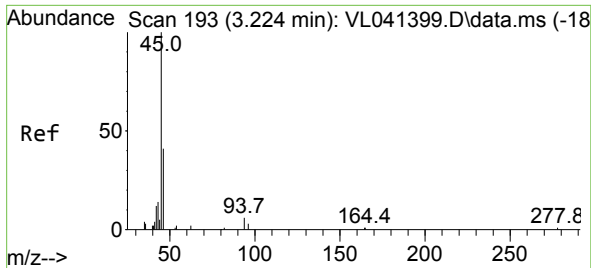
Tgt Ion: 41 Resp: 8711
 Ion Ratio Lower Upper
 41 100
 42 69.0 55.9 83.9



#10
 Heptane
 Concen: 0.036 ppbv
 RT: 7.584 min Scan# 1549
 Delta R.T. 0.013 min
 Lab File: VL041428.D
 Acq: 29 Jul 2024 14:15

Tgt Ion: 43 Resp: 4830
 Ion Ratio Lower Upper
 43 100
 57 0.0 40.5 60.7#

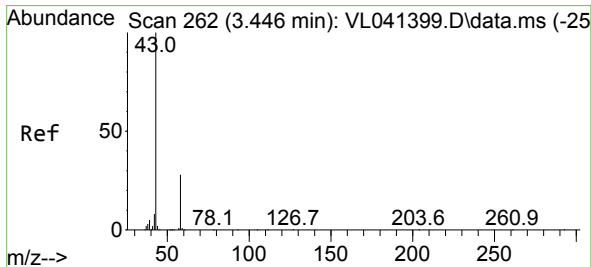
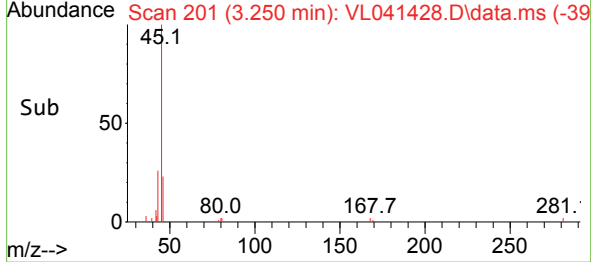
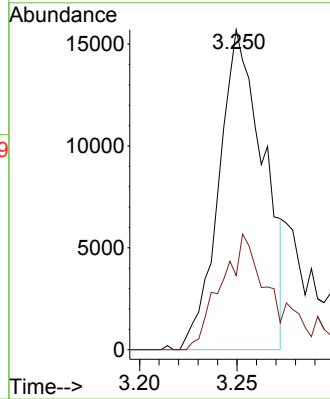
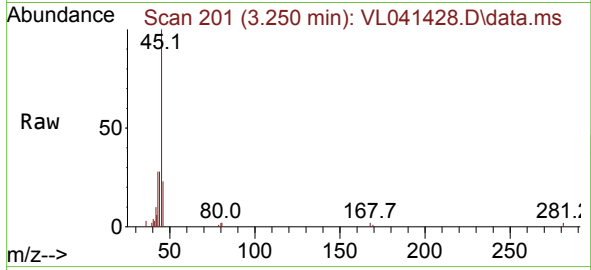




#13
 Ethanol
 Concen: 4.719 ppbv
 RT: 3.250 min Scan# 201
 Delta R.T. 0.022 min
 Lab File: VL041428.D
 Acq: 29 Jul 2024 14:15

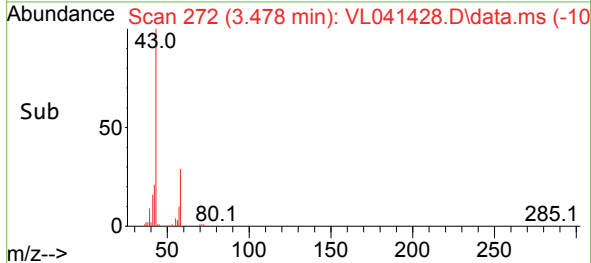
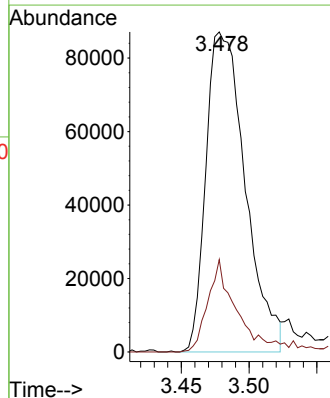
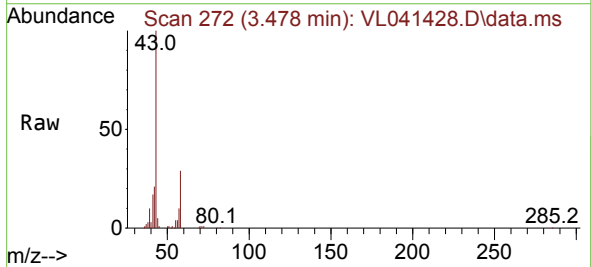
Instrument :
 MSVOA_L
 ClientSampleId :

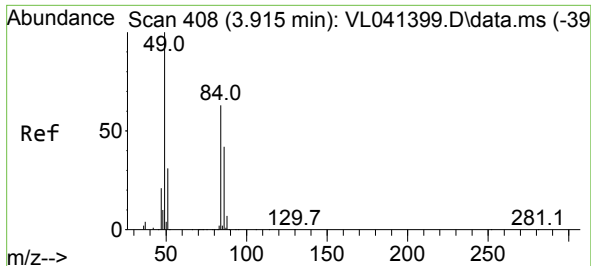
Tgt Ion: 45 Resp: 24987
 Ion Ratio Lower Upper
 45 100
 46 49.1 13.4 53.4



#15
 Acetone
 Concen: 1.427 ppbv
 RT: 3.478 min Scan# 272
 Delta R.T. 0.026 min
 Lab File: VL041428.D
 Acq: 29 Jul 2024 14:15

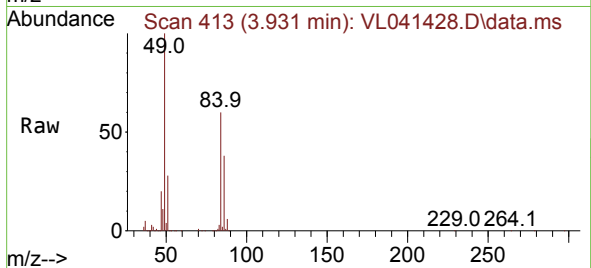
Tgt Ion: 43 Resp: 175695
 Ion Ratio Lower Upper
 43 100
 58 23.3 21.4 32.2





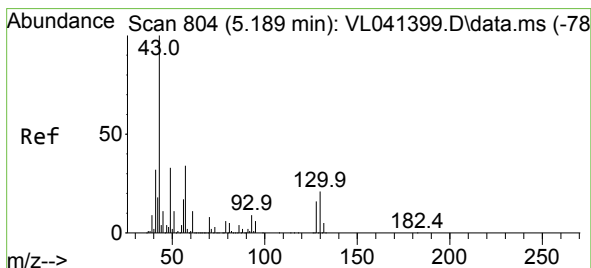
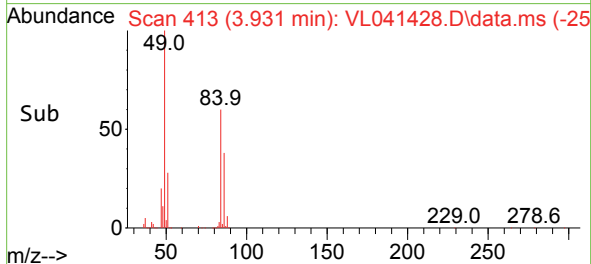
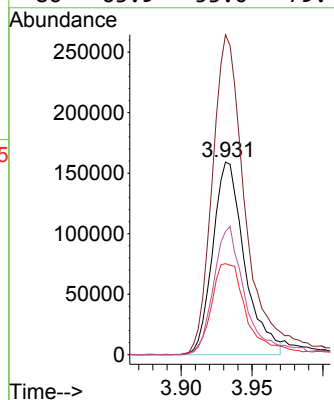
#20
Methylene Chloride
Concen: 5.432 ppbv
RT: 3.931 min Scan# 413
Delta R.T. 0.013 min
Lab File: VL041428.D
Acq: 29 Jul 2024 14:15

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 84 Resp: 249339

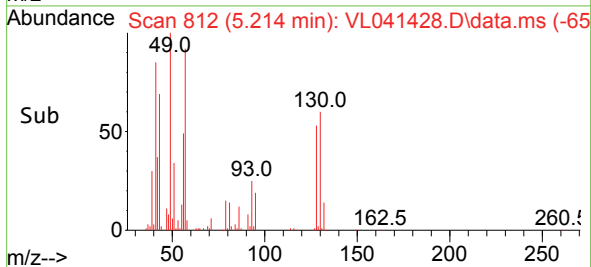
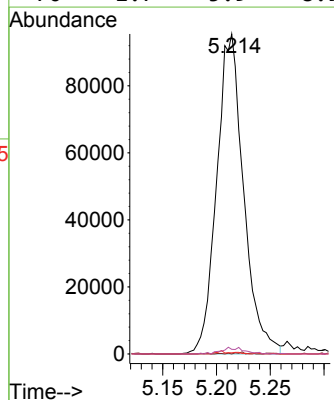
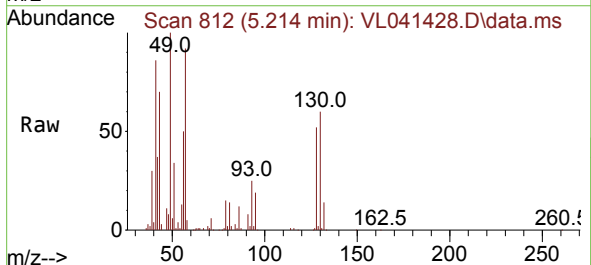
Ion	Ratio	Lower	Upper
84	100		
49	166.0	126.6	190.0
51	47.1	38.6	58.0
86	63.9	53.0	79.4

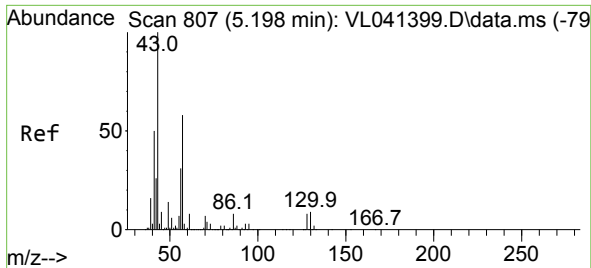


#25
Ethyl Acetate
Concen: 0.679 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.022 min
Lab File: VL041428.D
Acq: 29 Jul 2024 14:15

Tgt Ion: 43 Resp: 166114

Ion	Ratio	Lower	Upper
43	100		
45	0.4	8.5	12.7#
61	0.5	8.0	12.0#
70	1.7	5.9	8.9#

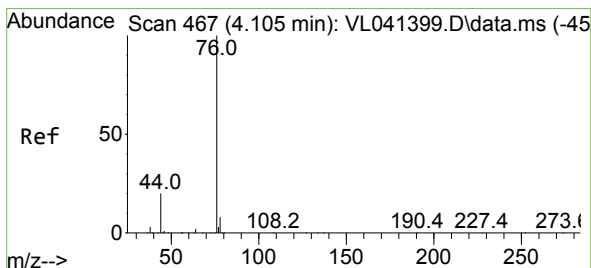
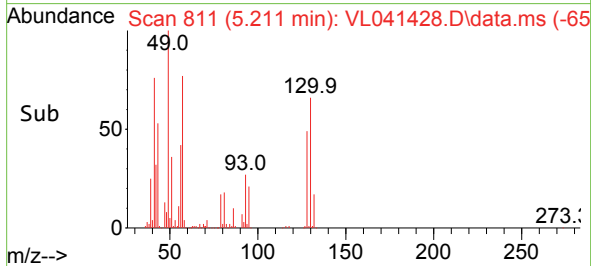
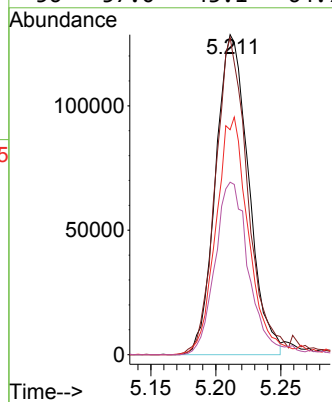
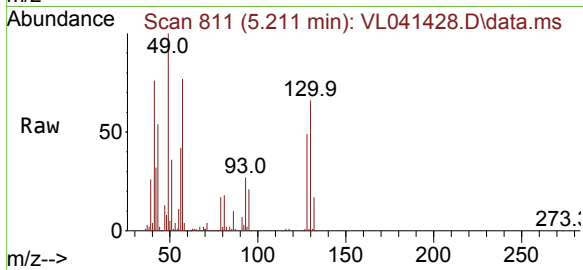




#26
Hexane
Concen: 2.237 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.013 min
Lab File: VL041428.D
Acq: 29 Jul 2024 14:15

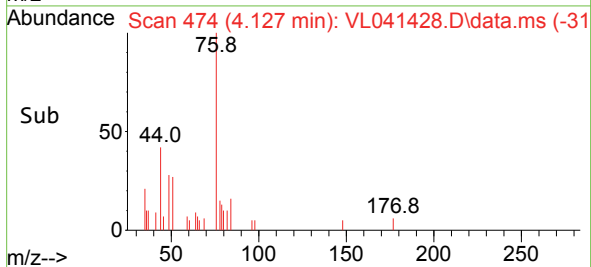
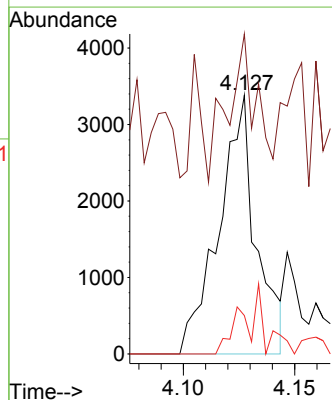
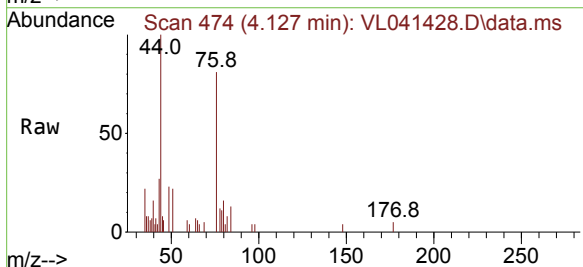
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MSVOA_L
ClientSampleId :

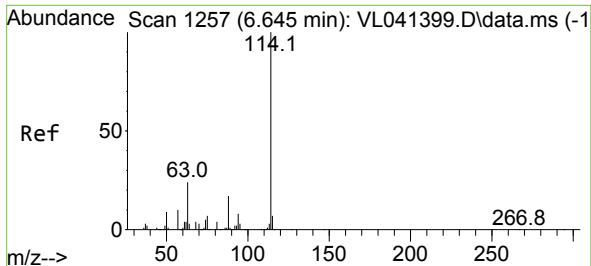
Tgt Ion: 57 Resp: 226949
Ion Ratio Lower Upper
57 100
41 100.6 74.0 111.0
43 75.7 193.6 290.4#
56 57.0 43.1 64.7



#27
Carbon Disulfide
Concen: 0.033 ppbv
RT: 4.127 min Scan# 474
Delta R.T. 0.019 min
Lab File: VL041428.D
Acq: 29 Jul 2024 14:15

Tgt Ion: 76 Resp: 3915
Ion Ratio Lower Upper
76 100
44 85.8 15.6 23.4#
78 21.3 7.7 11.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.651 min Scan# 114

Delta R.T. 0.006 min

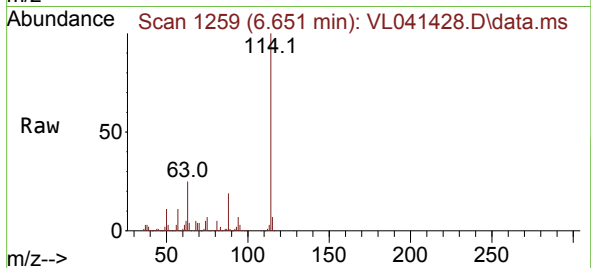
Lab File: VL041428.D

Acq: 29 Jul 2024 14:15

Instrument :

MSVOA_L

ClientSampleId :



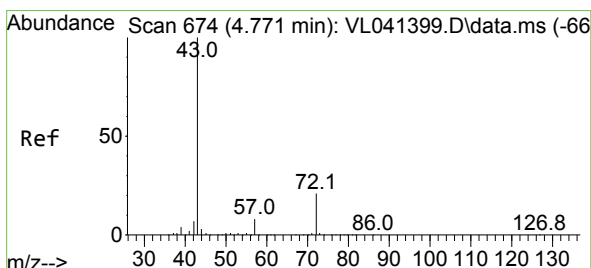
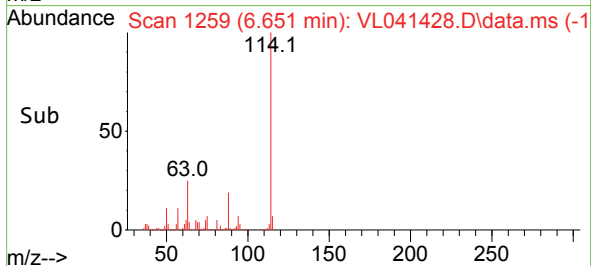
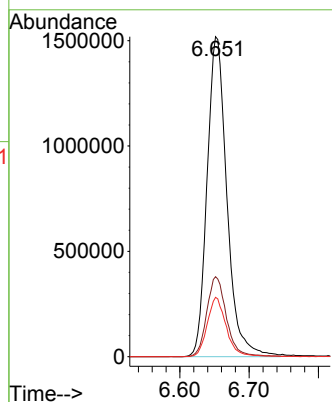
Tgt Ion:114 Resp: 3011369

Ion Ratio Lower Upper

114 100

63 25.0 20.3 30.5

88 17.9 14.3 21.5



#34

2-Butanone

Concen: 0.068 ppbv

RT: 4.812 min Scan# 687

Delta R.T. 0.038 min

Lab File: VL041428.D

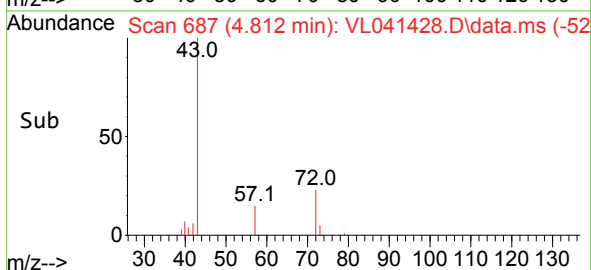
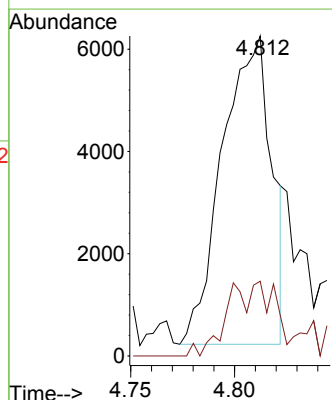
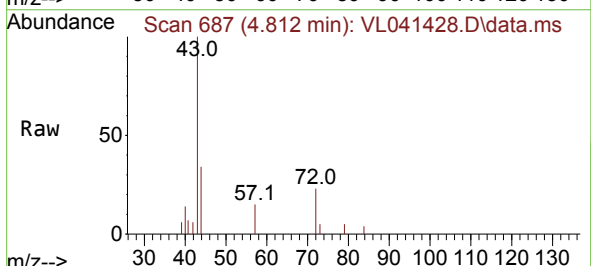
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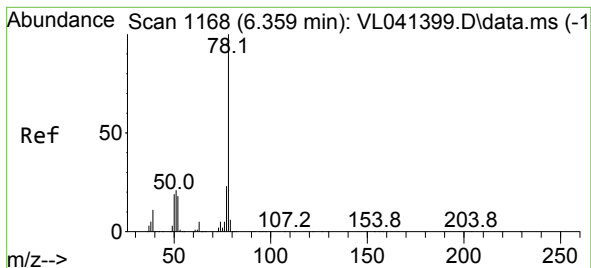
Tgt Ion: 43 Resp: 9878

Ion Ratio Lower Upper

43 100

72 29.7 17.3 25.9#





#36

Benzene

Concen: 0.202 ppbv

RT: 6.375 min Scan# 1173

Delta R.T. 0.016 min

Lab File: VL041428.D

Acq: 29 Jul 2024 14:15

Instrument :

MSVOA_L

ClientSampleId :

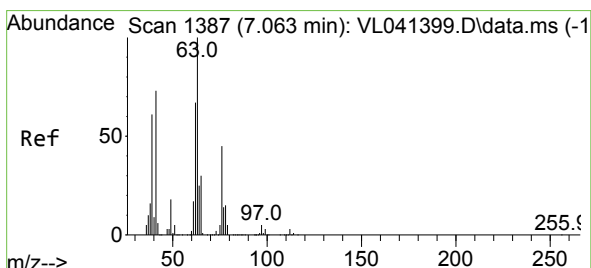
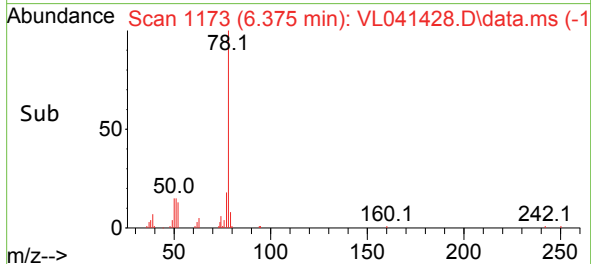
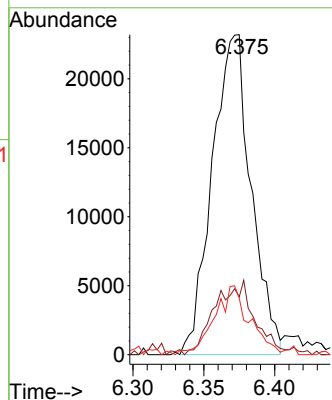
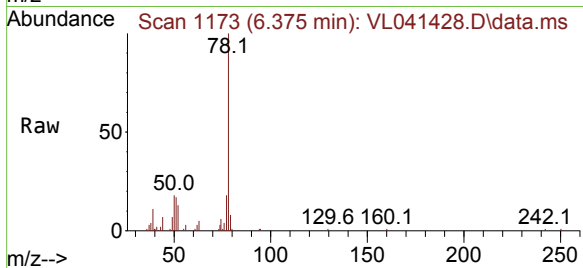
Tgt Ion: 78 Resp: 44469

Ion Ratio Lower Upper

78 100

77 16.5 18.1 27.1#

50 16.9 15.5 23.3



#39

1,2-Dichloropropane

Concen: 8.828 ppbv

RT: 6.651 min Scan# 1259

Delta R.T. -0.412 min

Lab File: VL041428.D

Acq: 29 Jul 2024 14:15

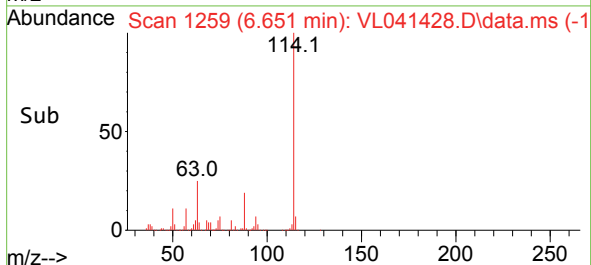
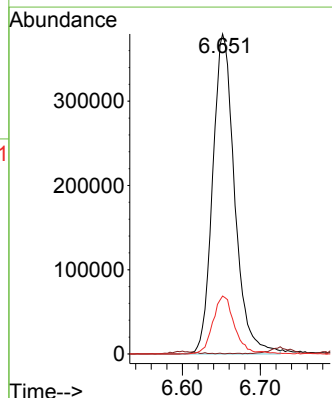
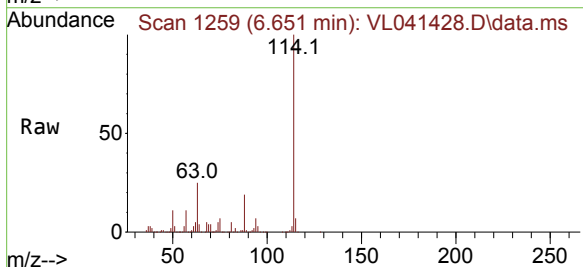
Tgt Ion: 63 Resp: 743684

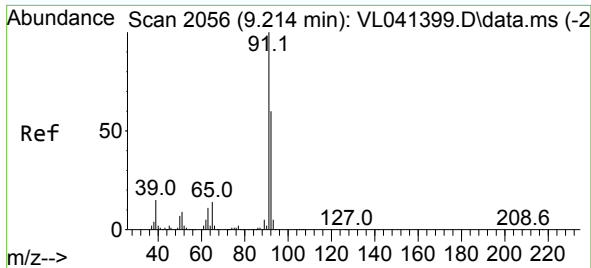
Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 18.1 53.9 80.9#

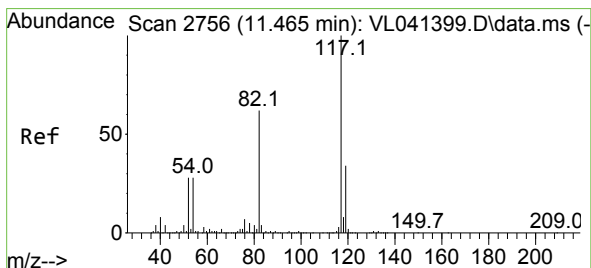
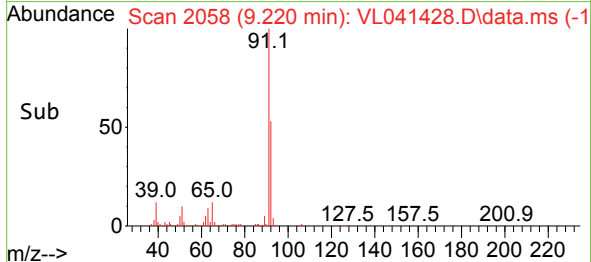
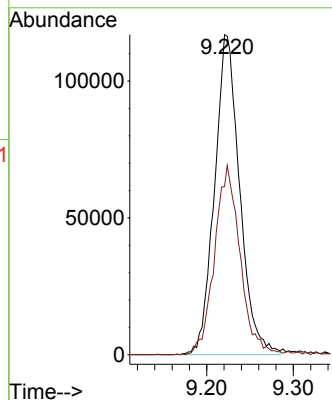
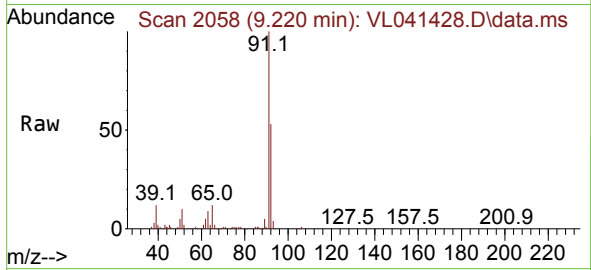




#53
Toluene
Concen: 0.963 ppbv
RT: 9.220 min Scan# 2056
Delta R.T. 0.003 min
Lab File: VL041428.D
Acq: 29 Jul 2024 14:15

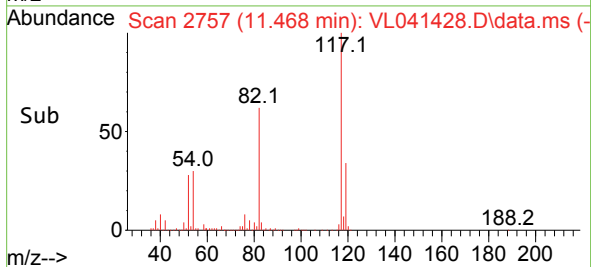
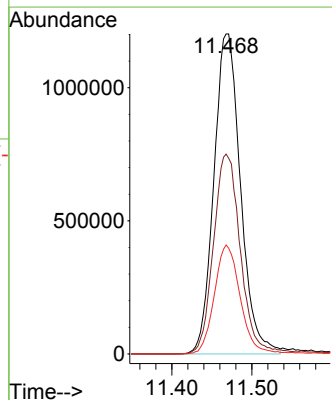
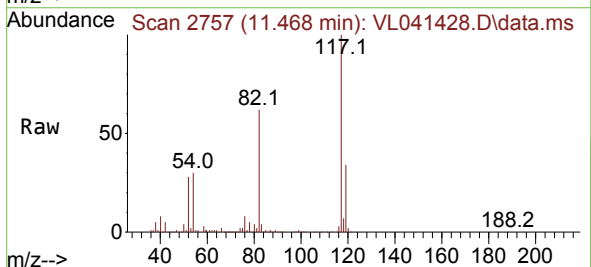
Instrument :
MSVOA_L
ClientSampleId :

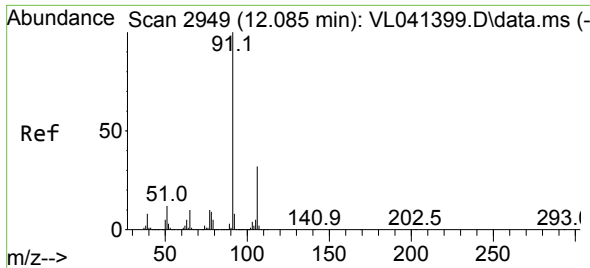
Tgt Ion: 91 Resp: 236088
Ion Ratio Lower Upper
91 100
92 60.7 48.7 73.1



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2757
Delta R.T. 0.003 min
Lab File: VL041428.D
Acq: 29 Jul 2024 14:15

Tgt Ion: 117 Resp: 2783814
Ion Ratio Lower Upper
117 100
82 64.4 51.0 76.6
119 33.6 45.2 67.8#

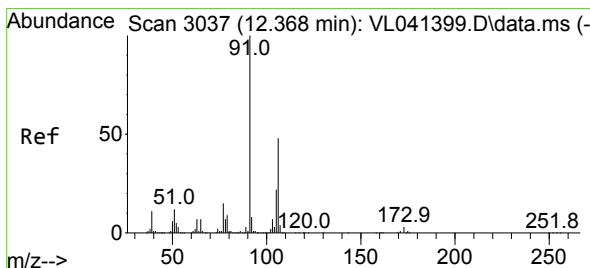
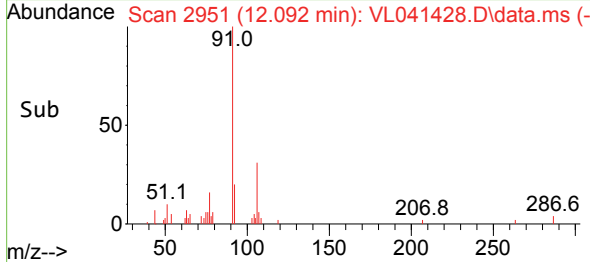
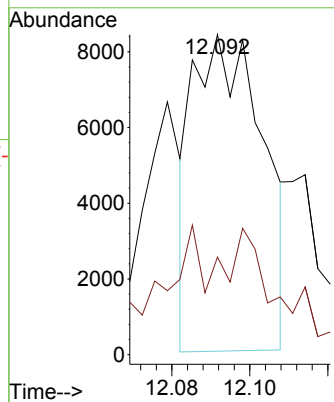
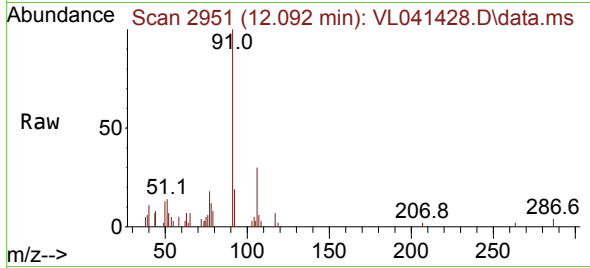




#58
Ethyl Benzene
Concen: 0.032 ppbv
RT: 12.092 min Scan# 2949
Delta R.T. 0.006 min
Lab File: VL041428.D
Acq: 29 Jul 2024 14:15

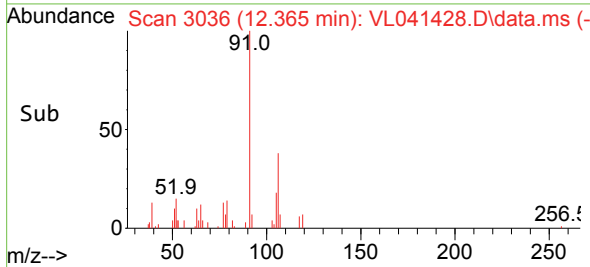
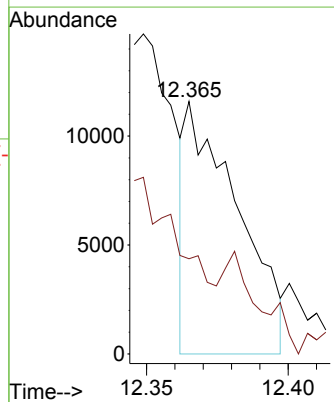
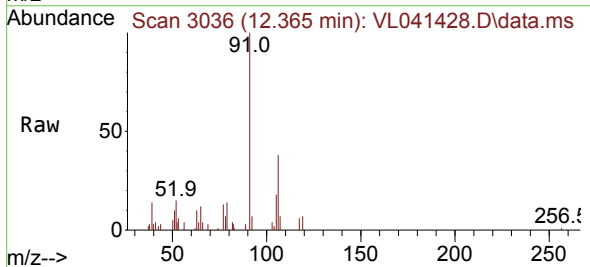
Instrument :
MSVOA_L
ClientSampleId :

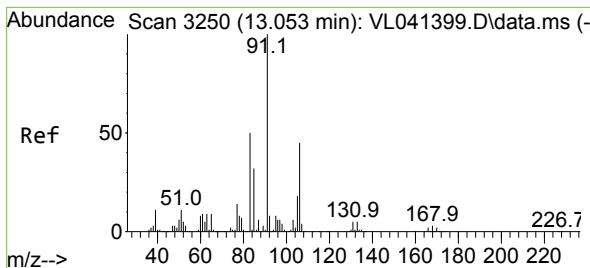
Tgt Ion: 91 Resp: 10376
Ion Ratio Lower Upper
91 100
106 27.0 25.8 38.8



#59
m/p-Xylene
Concen: 0.054 ppbv
RT: 12.365 min Scan# 3036
Delta R.T. -0.003 min
Lab File: VL041428.D
Acq: 29 Jul 2024 14:15

Tgt Ion: 91 Resp: 14830
Ion Ratio Lower Upper
91 100
106 0.0 36.3 54.5#

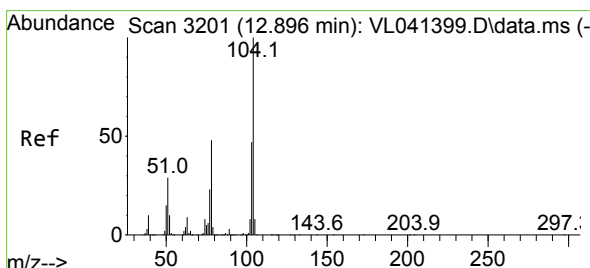
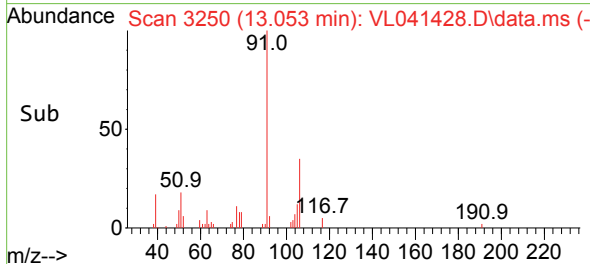
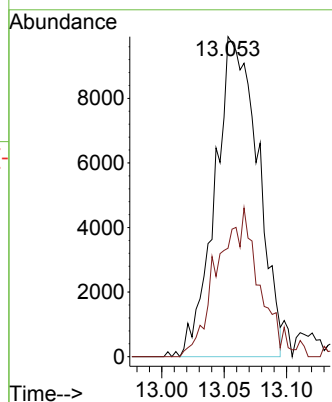
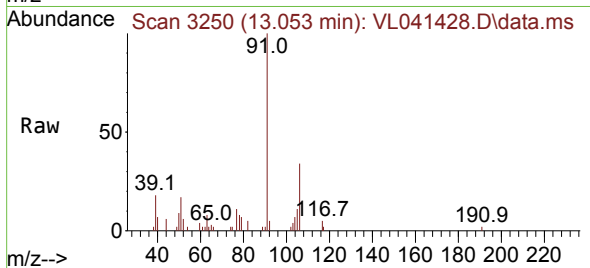




#60
o-Xylene
Concen: 0.090 ppbv
RT: 13.053 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL041428.D
Acq: 29 Jul 2024 14:15

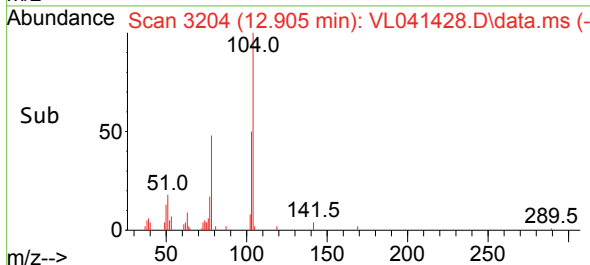
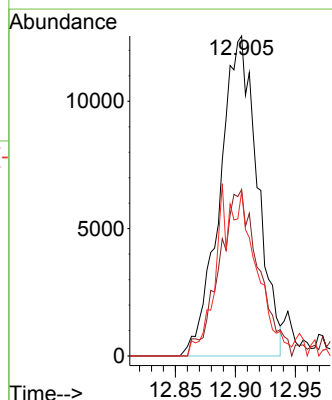
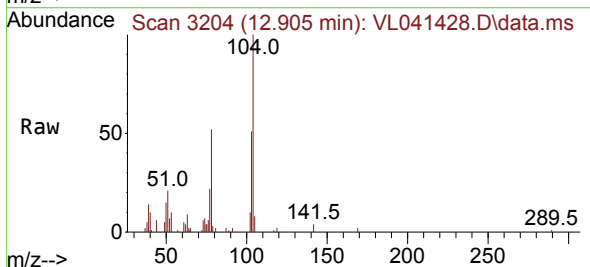
Instrument :
MSVOA_L
ClientSampleId :

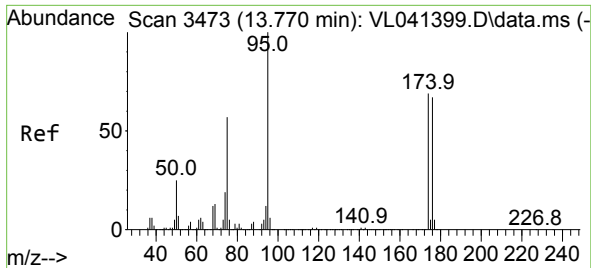
Tgt Ion: 91 Resp: 23585
Ion Ratio Lower Upper
91 100
106 46.7 23.1 69.3



#61
Styrene
Concen: 0.232 ppbv
RT: 12.905 min Scan# 3204
Delta R.T. 0.010 min
Lab File: VL041428.D
Acq: 29 Jul 2024 14:15

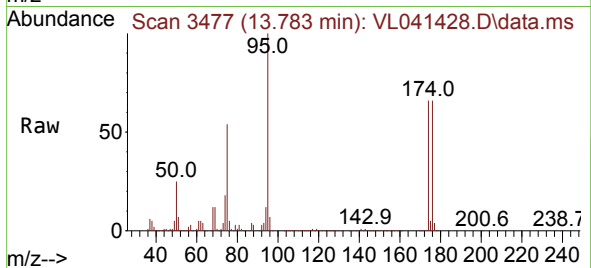
Tgt Ion:104 Resp: 27437
Ion Ratio Lower Upper
104 100
78 56.3 40.8 61.2
103 55.5 38.2 57.4





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.165 ppbv
 RT: 13.783 min Scan# 3477
 Delta R.T. 0.010 min
 Lab File: VL041428.D
 Acq: 29 Jul 2024 14:15

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 95 Resp: 2177698

Ion	Ratio	Lower	Upper
95	100		
174	70.3	56.3	84.5
175	5.2	4.0	6.0

