

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031224\
 Data File : VL041101.D
 Acq On : 12 Mar 2024 16:25
 Operator : SY/MD
 Sample : P1718-01DUP 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Quant Time: Mar 13 01:30:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Mar 13 01:22:02 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1273383	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	3086309	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2962501	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.789	95	2518503	10.873	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.700%

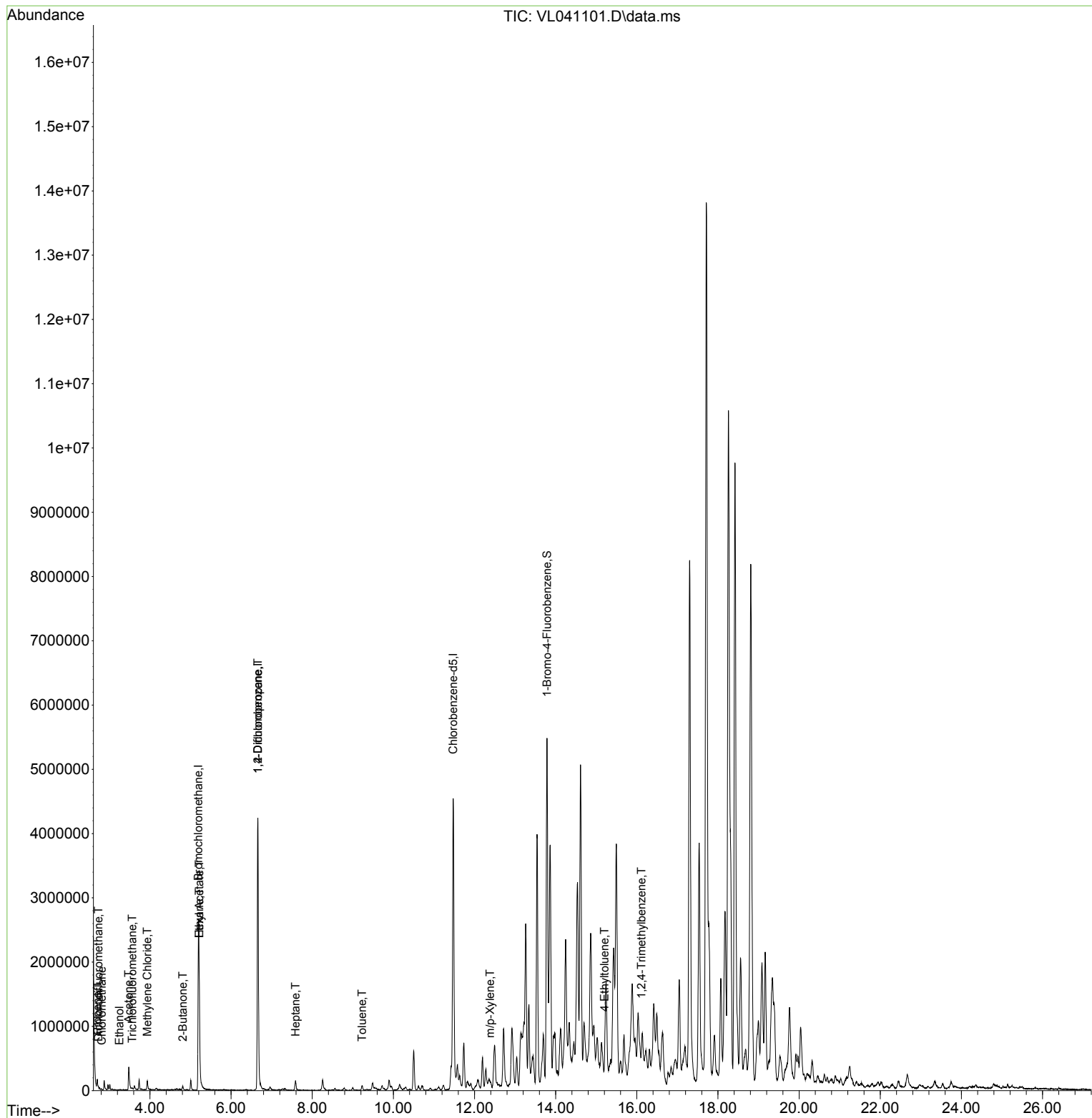
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.729	85	21436	0.088	ppbv	95
4) Chloromethane	2.816	50	2859	0.040	ppbv #	82
9) Propene	2.700	41	44560	0.715	ppbv	94
10) Heptane	7.590	43	52995	0.356	ppbv	97
11) Trichlorofluoromethane	3.565	101	12235	0.065	ppbv	89
13) Ethanol	3.250	45	1614	0.097	ppbv #	38
15) Acetone	3.478	43	416694	2.872	ppbv	97
20) Methylene Chloride	3.934	84	43351	0.767	ppbv	91
25) Ethyl Acetate	5.217	43	243310	0.931	ppbv #	76
26) Hexane	5.217	57	338126	2.895	ppbv #	39
34) 2-Butanone	4.809	43	66392	0.434	ppbv #	89
39) 1,2-Dichloropropane	6.658	63	800595	8.712	ppbv #	22
53) Toluene	9.227	91	32781	0.132	ppbv #	42
59) m/p-Xylene	12.384	91	19827	0.065	ppbv #	32
72) 4-Ethyltoluene	15.204	105	21351	0.067	ppbv #	54
74) 1,2,4-Trimethylbenzene	16.117	105	109879	0.342	ppbv #	72

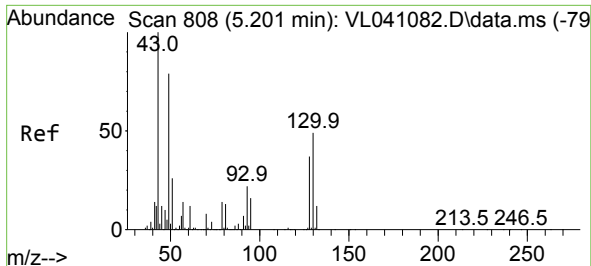
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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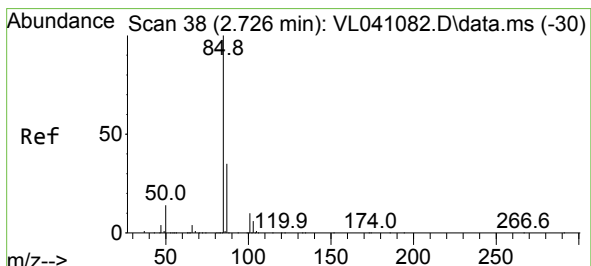
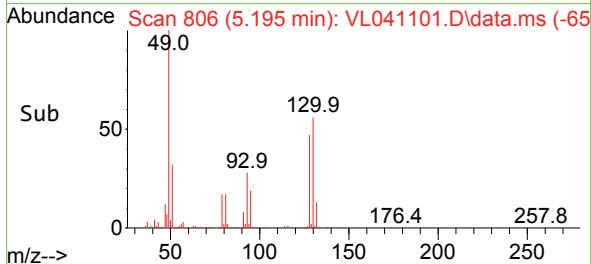
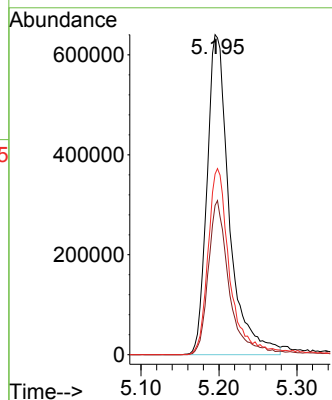
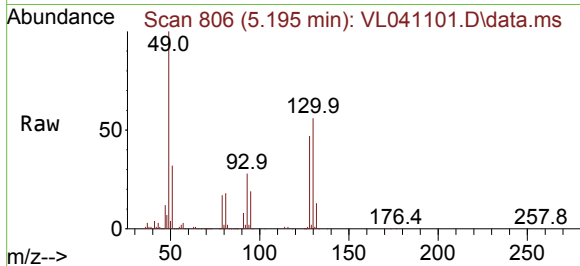




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.195 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: VL041101.D
 Acq: 12 Mar 2024 16:25

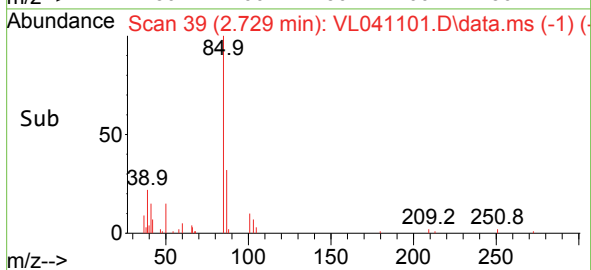
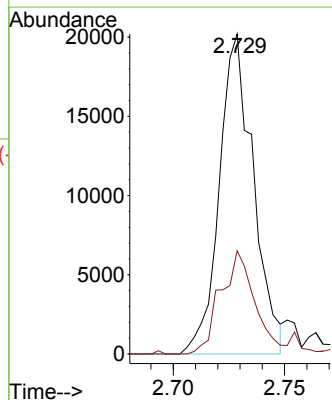
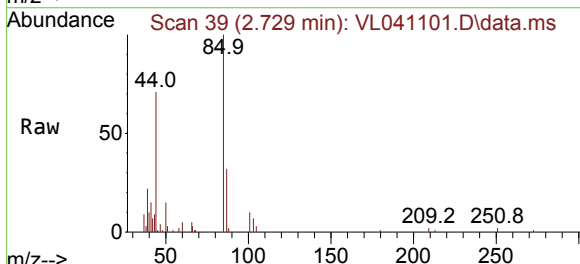
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

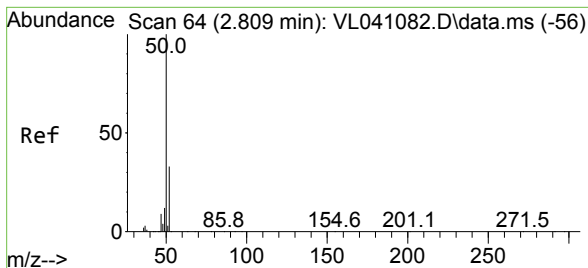
Tgt Ion: 49 Resp: 1273383
 Ion Ratio Lower Upper
 49 100
 128 46.6 23.8 71.5
 130 59.1 30.3 90.9



#2
 Dichlorodifluoromethane
 Concen: 0.088 ppbv
 RT: 2.729 min Scan# 39
 Delta R.T. 0.006 min
 Lab File: VL041101.D
 Acq: 12 Mar 2024 16:25

Tgt Ion: 85 Resp: 21436
 Ion Ratio Lower Upper
 85 100
 87 32.2 28.1 42.1

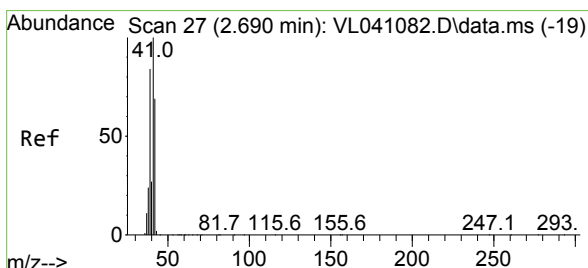
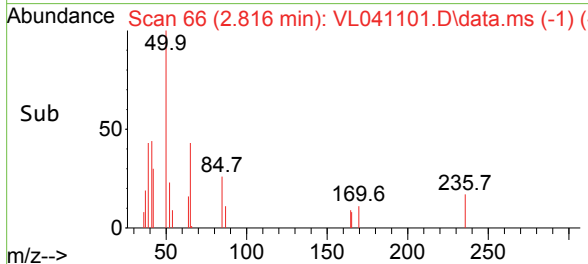
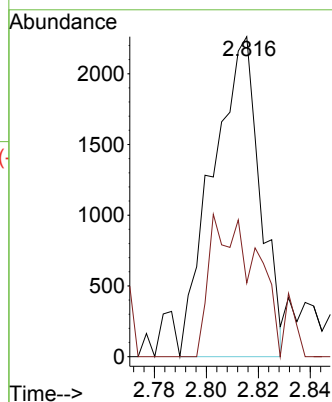
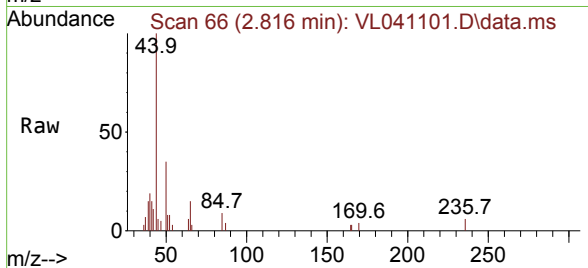




#4
Chloromethane
Concen: 0.040 ppbv
RT: 2.816 min Scan# 60
Delta R.T. 0.013 min
Lab File: VL041101.D
Acq: 12 Mar 2024 16:25

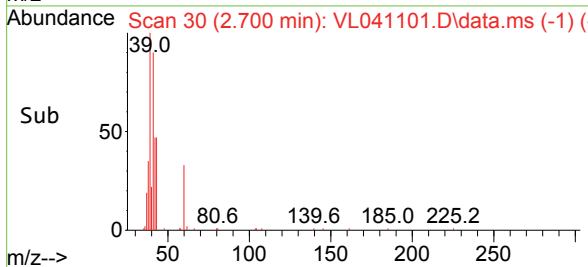
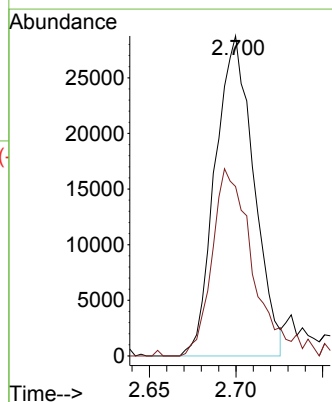
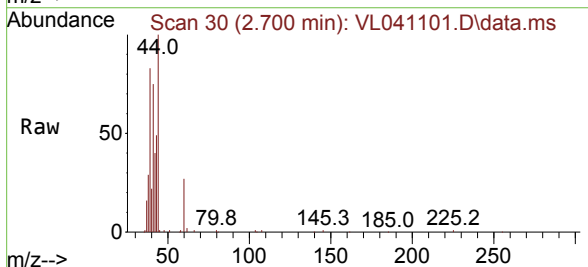
Instrument :
MSVOA_L
ClientSampleId :
SV1

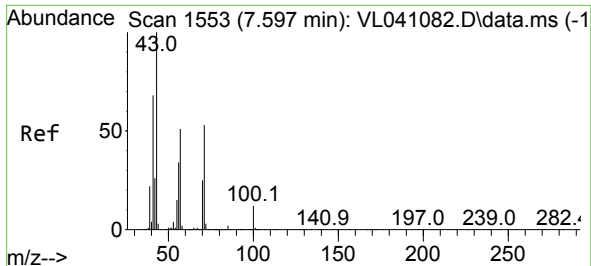
Tgt Ion: 50 Resp: 2859
Ion Ratio Lower Upper
50 100
52 23.0 26.6 40.0#



#9
Propene
Concen: 0.715 ppbv
RT: 2.700 min Scan# 30
Delta R.T. 0.016 min
Lab File: VL041101.D
Acq: 12 Mar 2024 16:25

Tgt Ion: 41 Resp: 44560
Ion Ratio Lower Upper
41 100
42 65.0 55.9 83.9

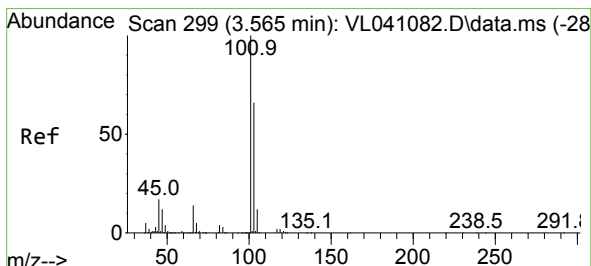
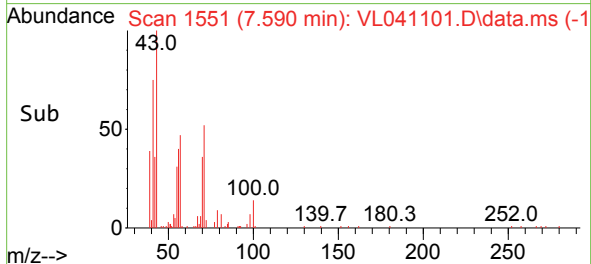
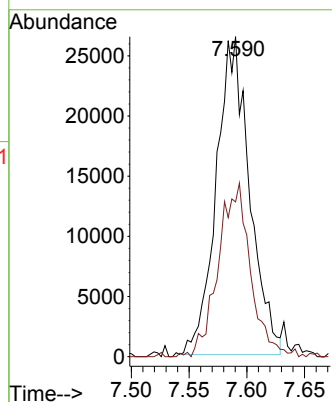
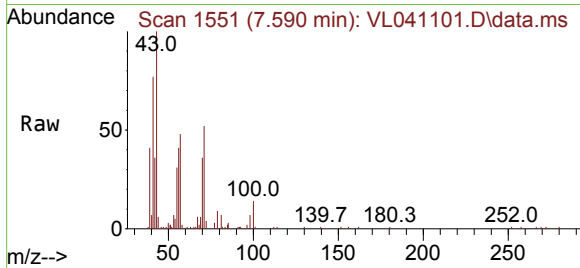




#10
Heptane
Concen: 0.356 ppbv
RT: 7.590 min Scan# 11
Delta R.T. 0.009 min
Lab File: VL041101.D
Acq: 12 Mar 2024 16:25

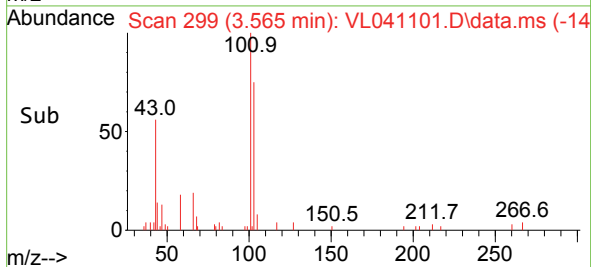
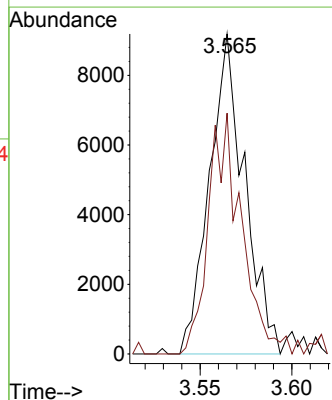
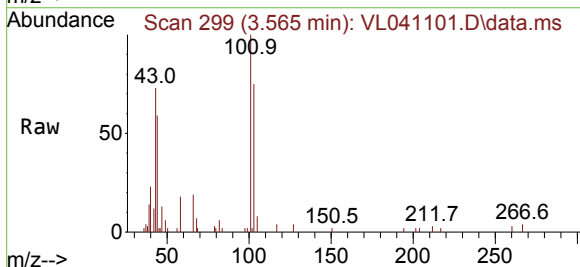
Instrument :
MSVOA_L
ClientSampleId :
SV1

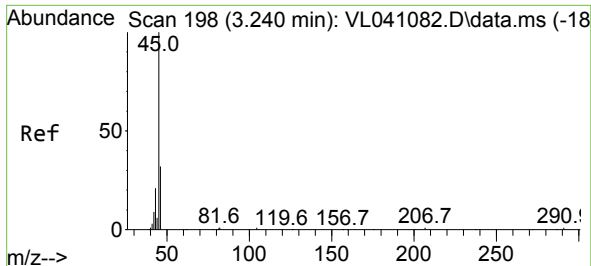
Tgt Ion: 43 Resp: 52995
Ion Ratio Lower Upper
43 100
57 53.2 41.0 61.6



#11
Trichlorofluoromethane
Concen: 0.065 ppbv
RT: 3.565 min Scan# 299
Delta R.T. 0.006 min
Lab File: VL041101.D
Acq: 12 Mar 2024 16:25

Tgt Ion: 101 Resp: 12235
Ion Ratio Lower Upper
101 100
103 75.3 53.0 79.4

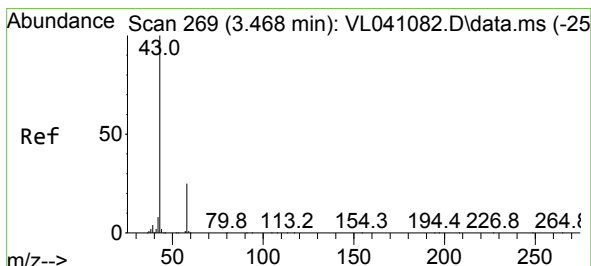
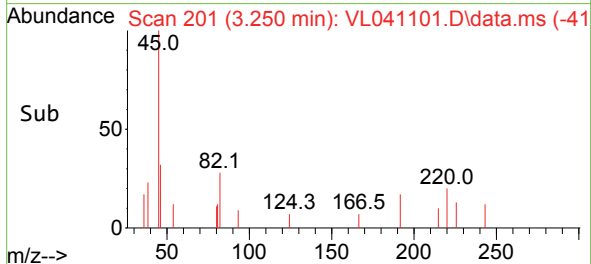
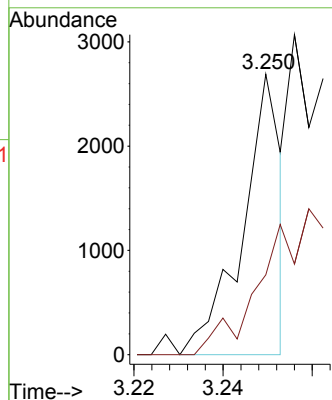
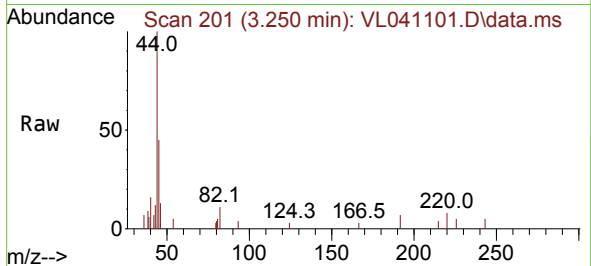




#13
Ethanol
Concen: 0.097 ppbv
RT: 3.250 min Scan# 201
Delta R.T. 0.016 min
Lab File: VL041101.D
Acq: 12 Mar 2024 16:25

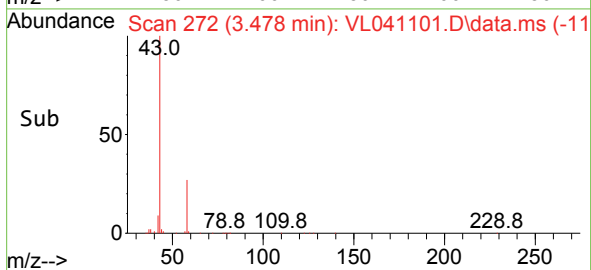
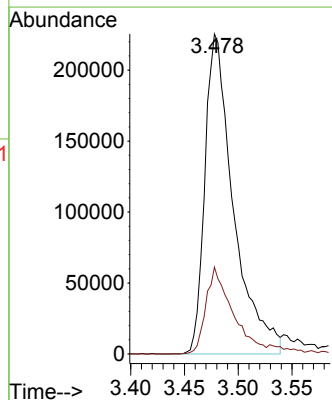
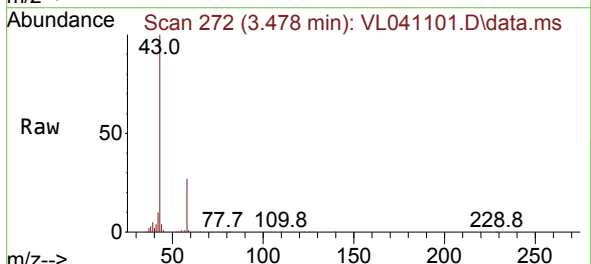
Instrument :
MSVOA_L
ClientSampleId :
SV1

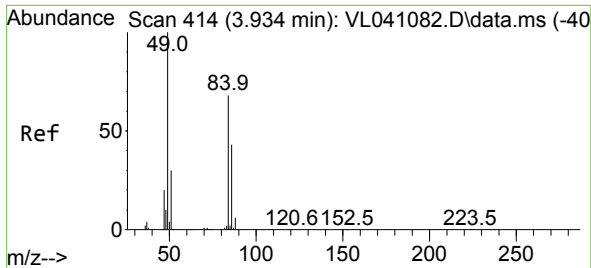
Tgt Ion: 45 Resp: 1614
Ion Ratio Lower Upper
45 100
46 0.0 14.6 58.2#



#15
Acetone
Concen: 2.872 ppbv
RT: 3.478 min Scan# 272
Delta R.T. 0.016 min
Lab File: VL041101.D
Acq: 12 Mar 2024 16:25

Tgt Ion: 43 Resp: 416694
Ion Ratio Lower Upper
43 100
58 28.6 21.7 32.5



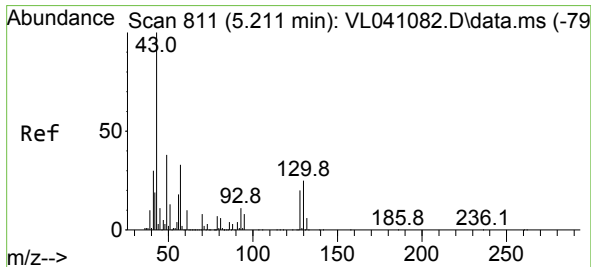
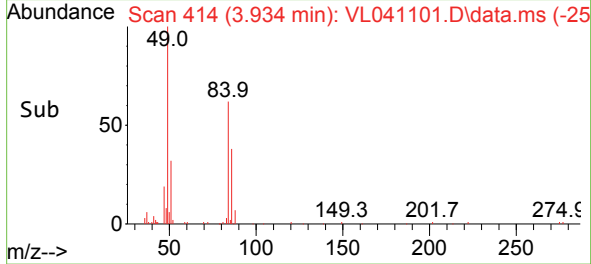
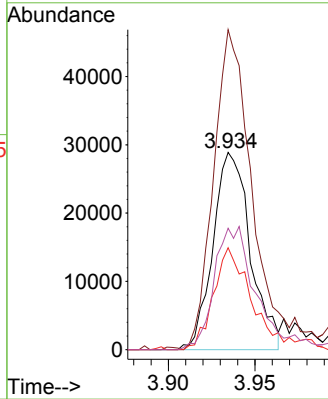
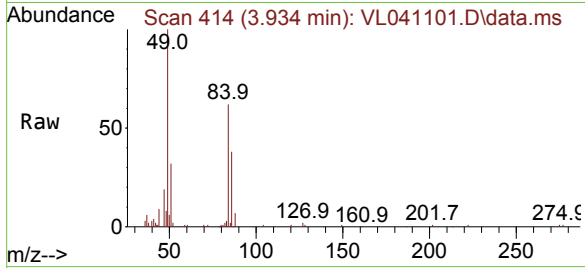


#20
Methylene Chloride
Concen: 0.767 ppbv
RT: 3.934 min Scan# 414
Delta R.T. 0.006 min
Lab File: VL041101.D
Acq: 12 Mar 2024 16:25

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 84 Resp: 43351

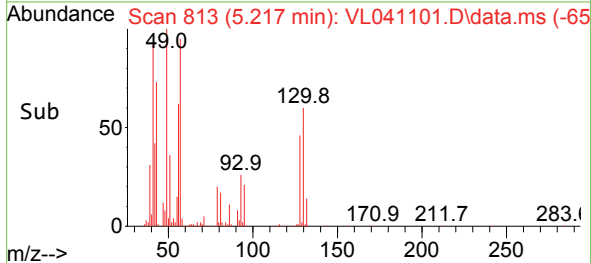
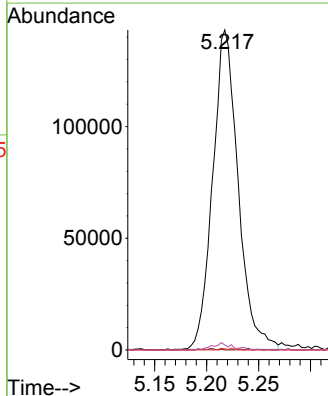
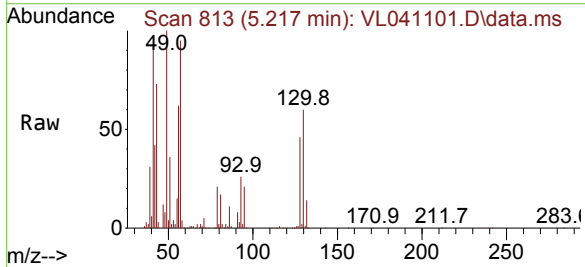
Ion	Ratio	Lower	Upper
84	100		
49	161.5	117.0	175.6
51	51.6	34.9	52.3
86	61.6	49.8	74.6

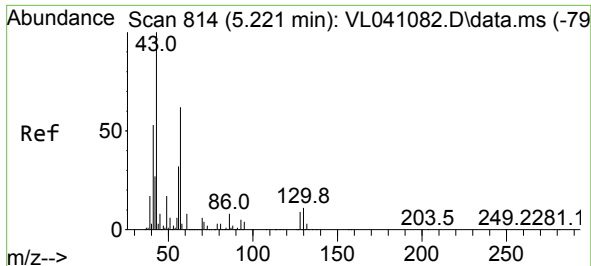


#25
Ethyl Acetate
Concen: 0.931 ppbv
RT: 5.217 min Scan# 813
Delta R.T. 0.013 min
Lab File: VL041101.D
Acq: 12 Mar 2024 16:25

Tgt Ion: 43 Resp: 243310

Ion	Ratio	Lower	Upper
43	100		
45	0.2	8.2	12.2#
61	0.2	8.2	12.2#
70	1.8	5.5	8.3#

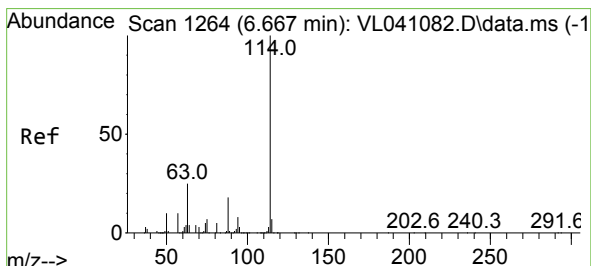
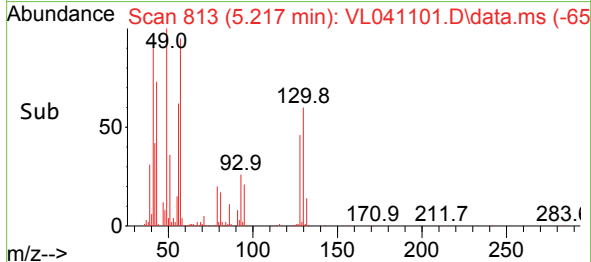
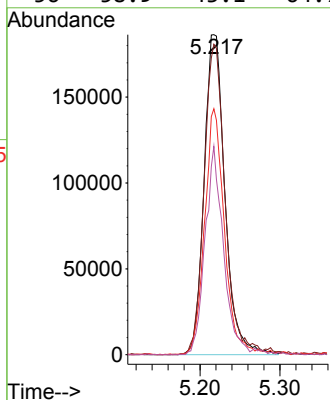
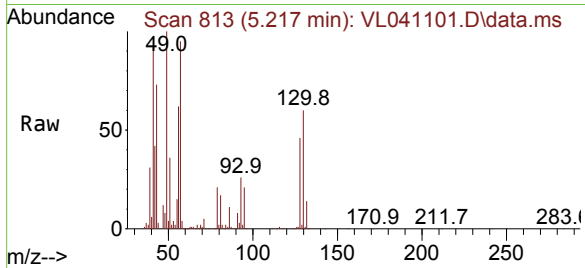




#26
Hexane
Concen: 2.895 ppbv
RT: 5.217 min Scan# 814
Delta R.T. 0.006 min
Lab File: VL041101.D
Acq: 12 Mar 2024 16:25

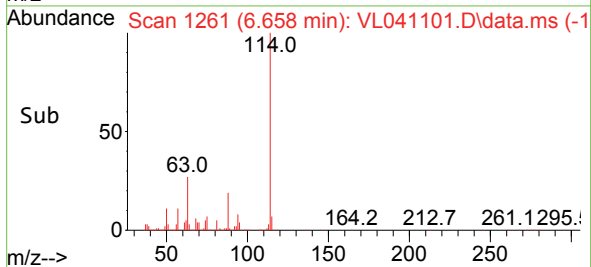
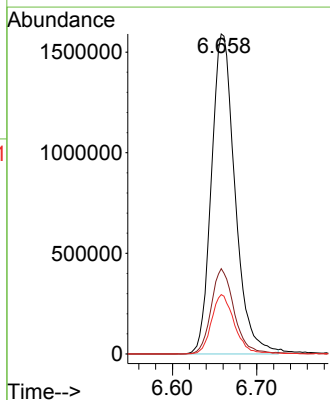
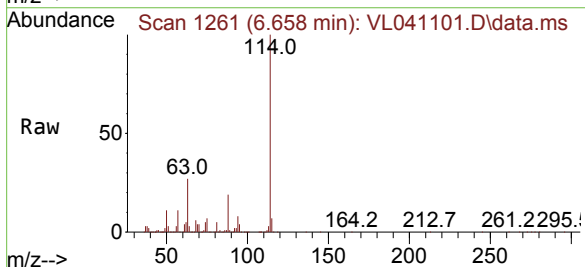
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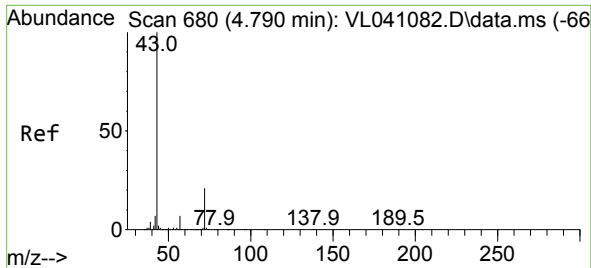
Tgt Ion: 57 Resp: 338126
Ion Ratio Lower Upper
57 100
41 100.1 73.8 110.6
43 73.9 184.2 276.2#
56 58.9 43.1 64.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. 0.003 min
Lab File: VL041101.D
Acq: 12 Mar 2024 16:25

Tgt Ion:114 Resp: 3086309
Ion Ratio Lower Upper
114 100
63 26.5 21.0 31.6
88 18.2 14.6 22.0

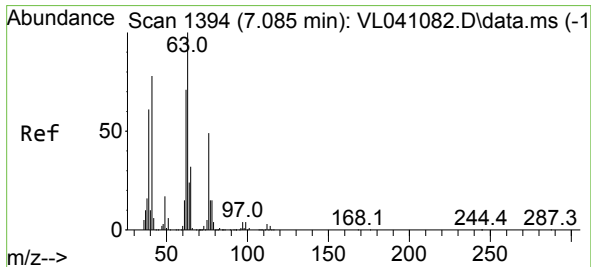
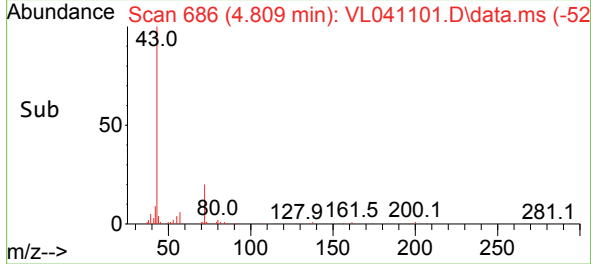
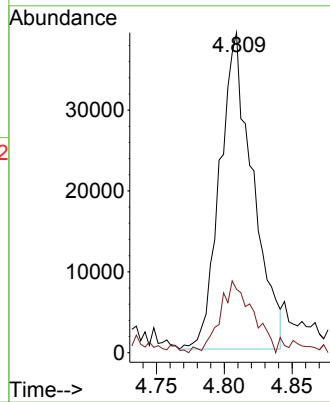
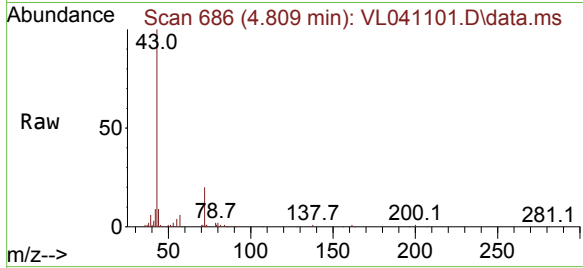




#34
2-Butanone
Concen: 0.434 ppbv
RT: 4.809 min Scan# 61
Delta R.T. 0.025 min
Lab File: VL041101.D
Acq: 12 Mar 2024 16:25

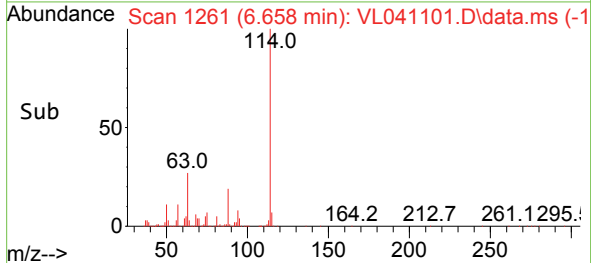
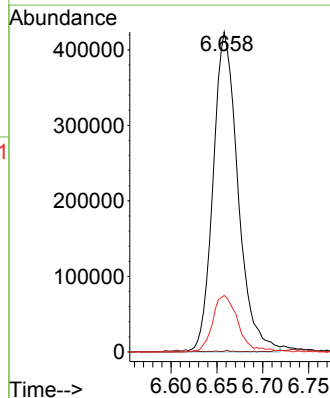
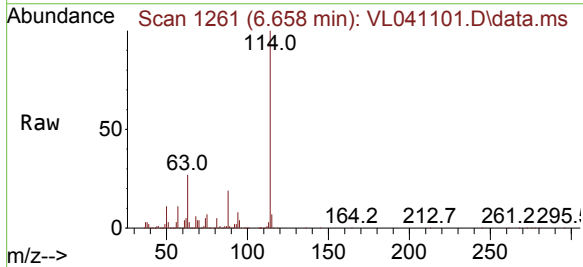
Instrument :
MSVOA_L
ClientSampleId :
SV1

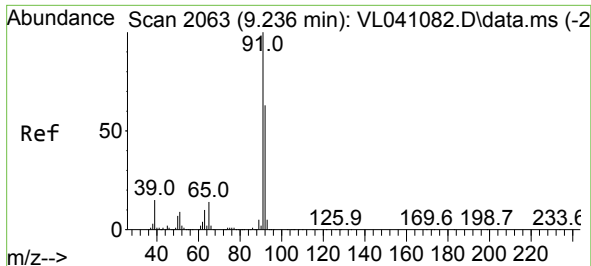
Tgt Ion: 43 Resp: 66392
Ion Ratio Lower Upper
43 100
72 26.7 17.4 26.0#



#39
1,2-Dichloropropane
Concen: 8.712 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. -0.418 min
Lab File: VL041101.D
Acq: 12 Mar 2024 16:25

Tgt Ion: 63 Resp: 800595
Ion Ratio Lower Upper
63 100
41 0.0 62.2 93.4#
62 17.7 57.0 85.4#





#53

Toluene

Concen: 0.132 ppbv

RT: 9.227 min Scan# 2060

Delta R.T. 0.003 min

Lab File: VL041101.D

Acq: 12 Mar 2024 16:25

Instrument :

MSVOA_L

ClientSampleId :

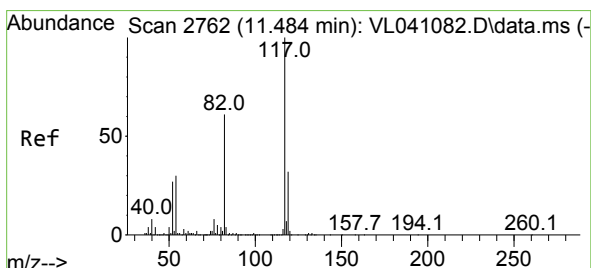
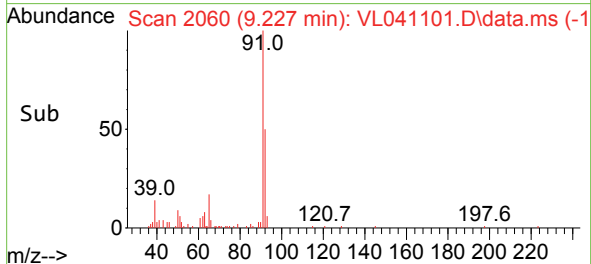
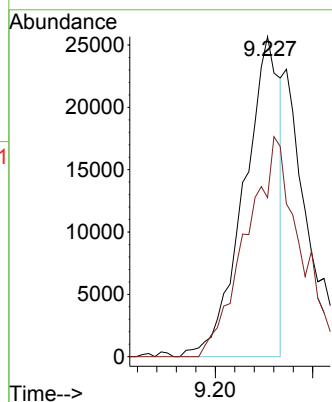
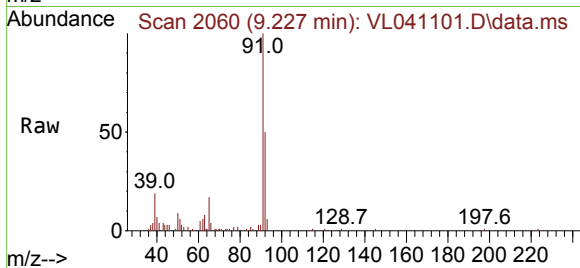
SV1

Tgt Ion: 91 Resp: 32781

Ion Ratio Lower Upper

91 100

92 105.6 48.9 73.3#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.474 min Scan# 2759

Delta R.T. -0.000 min

Lab File: VL041101.D

Acq: 12 Mar 2024 16:25

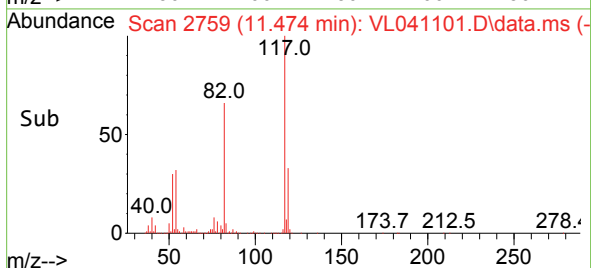
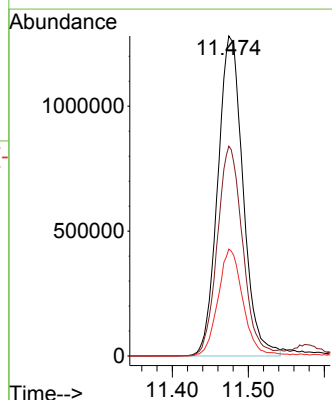
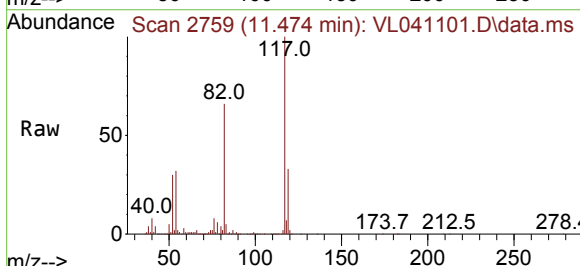
Tgt Ion: 117 Resp: 2962501

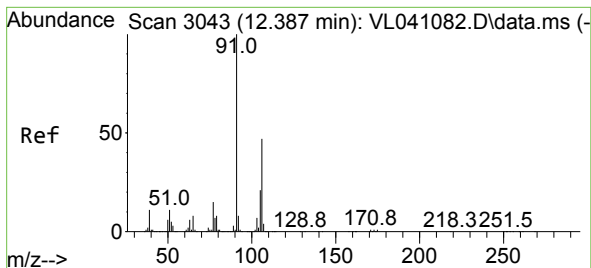
Ion Ratio Lower Upper

117 100

82 66.3 51.4 77.2

119 33.9 23.7 35.5





#59

m/p-Xylene

Concen: 0.065 ppbv

RT: 12.384 min Scan# 3043

Delta R.T. 0.003 min

Lab File: VL041101.D

Acq: 12 Mar 2024 16:25

Instrument :

MSVOA_L

ClientSampleId :

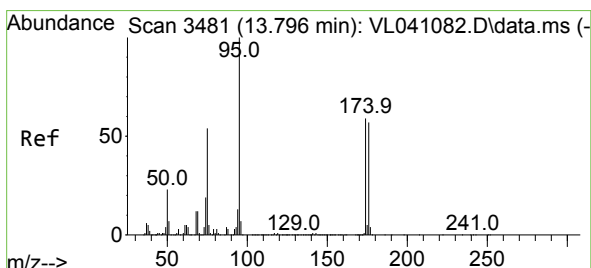
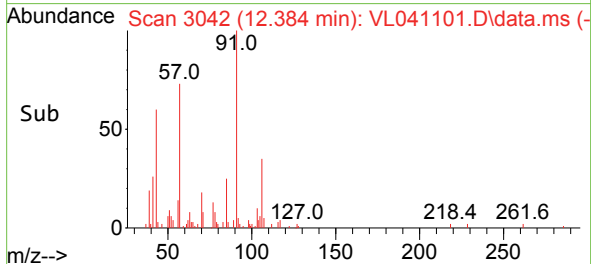
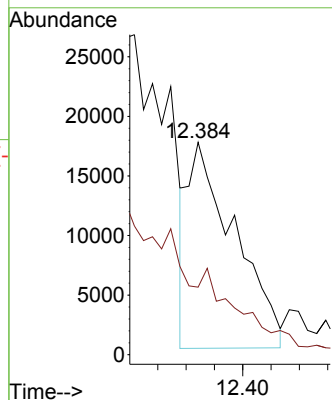
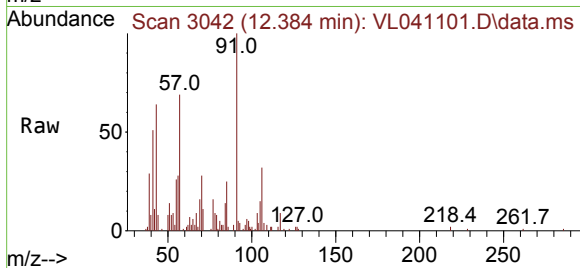
SV1

Tgt Ion: 91 Resp: 19827

Ion Ratio Lower Upper

91 100

106 0.0 35.4 53.2#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.873 ppbv

RT: 13.789 min Scan# 3479

Delta R.T. 0.006 min

Lab File: VL041101.D

Acq: 12 Mar 2024 16:25

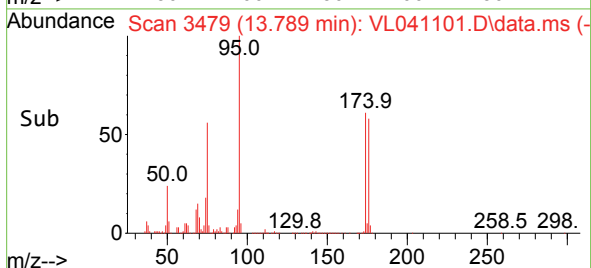
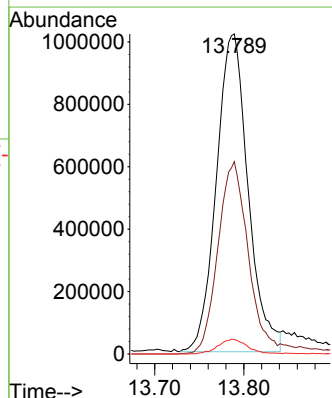
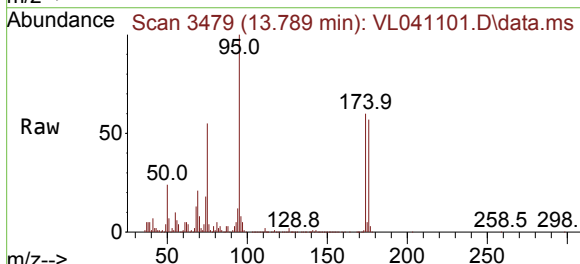
Tgt Ion: 95 Resp: 2518503

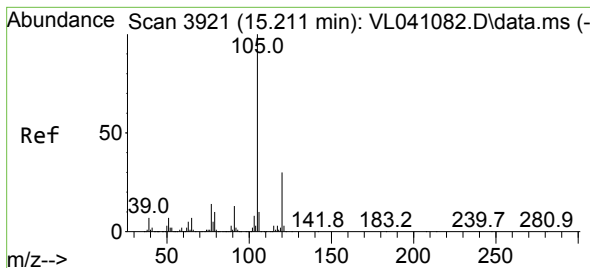
Ion Ratio Lower Upper

95 100

174 61.9 47.8 71.8

175 4.4 3.5 5.3





#72

4-Ethyltoluene

Concen: 0.067 ppbv

RT: 15.204 min Scan# 3919

Delta R.T. 0.006 min

Lab File: VL041101.D

Acq: 12 Mar 2024 16:25

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:105 Resp: 21351

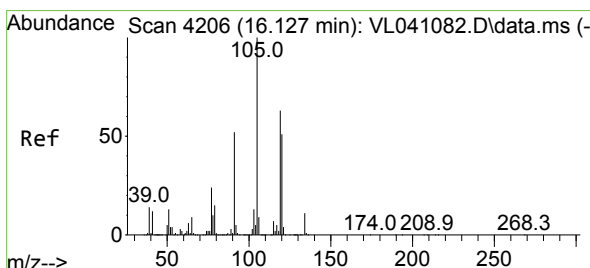
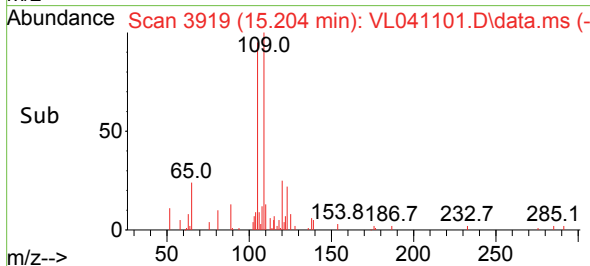
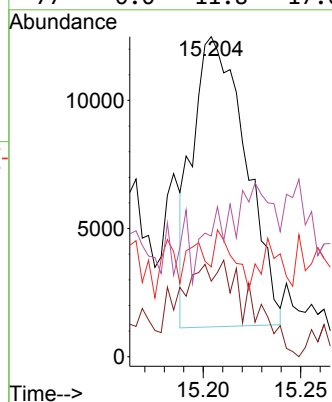
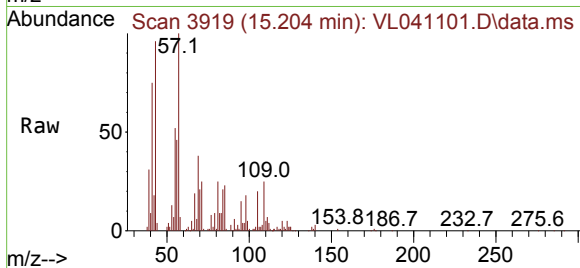
Ion Ratio Lower Upper

105 100

120 42.8 23.8 35.8#

91 56.0 10.9 16.3#

77 0.0 11.8 17.6#



#74

1,2,4-Trimethylbenzene

Concen: 0.342 ppbv

RT: 16.117 min Scan# 4203

Delta R.T. 0.003 min

Lab File: VL041101.D

Acq: 12 Mar 2024 16:25

Tgt Ion:105 Resp: 109879

Ion Ratio Lower Upper

105 100

120 44.7 40.4 60.6

91 15.2 41.4 62.0#

77 15.7 19.0 28.4#

