

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
 Data File : VL040941.D
 Acq On : 21 Dec 2023 22:19
 Operator : SY/MD
 Sample : 05848-01DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 22 00:12:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 21 07:32:42 2023
 Response via : Initial Calibration

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

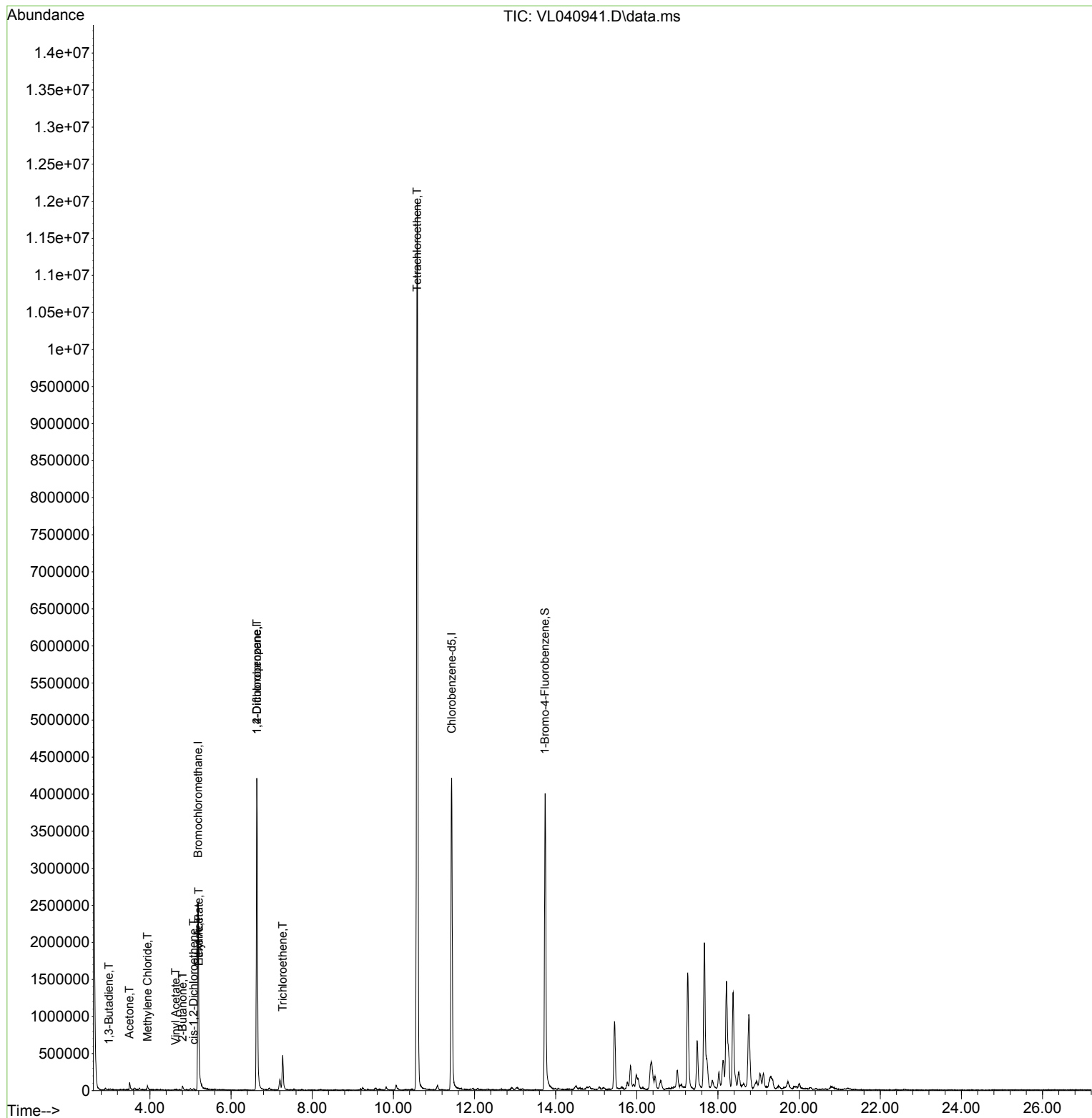
Internal Standards						
1) Bromochloromethane	5.185	49	1272963	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	3358818	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	2925615	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.738	95	2155355	10.002	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.000%	
Target Compounds						
						Qvalue
15) Acetone	3.497	43	92723	0.607	ppbv #	87
16) 1,3-Butadiene	2.986	39	2734	0.042	ppbv #	15
20) Methylene Chloride	3.941	84	13544	0.249	ppbv	89
23) Vinyl Acetate	4.635	43	6450	0.038	ppbv #	77
25) Ethyl Acetate	5.205	43	39879	0.151	ppbv #	80
26) Hexane	5.205	57	55224	0.471	ppbv #	35
31) cis-1,2-Dichloroethene	5.076	61	8270	0.069	ppbv #	57
34) 2-Butanone	4.806	43	68751	0.387	ppbv	93
38) Trichloroethene	7.272	130	145903	1.479	ppbv	94
39) 1,2-Dichloropropane	6.635	63	817670	7.925	ppbv #	24
52) Tetrachloroethene	10.587	164	3174237	35.887	ppbv	95

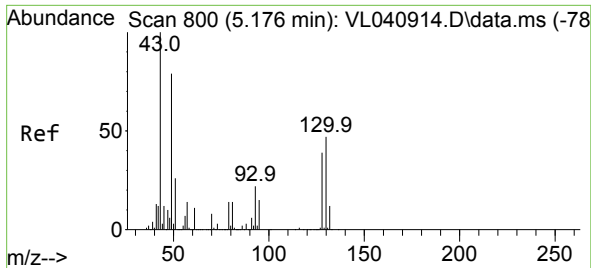
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
Data File : VL040941.D
Acq On : 21 Dec 2023 22:19
Operator : SY/MD
Sample : 05848-01DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 22 00:12:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Dec 21 07:32:42 2023
Response via : Initial Calibration

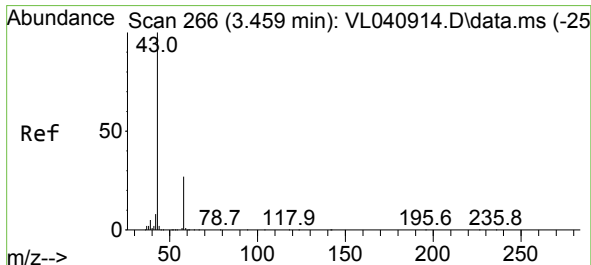
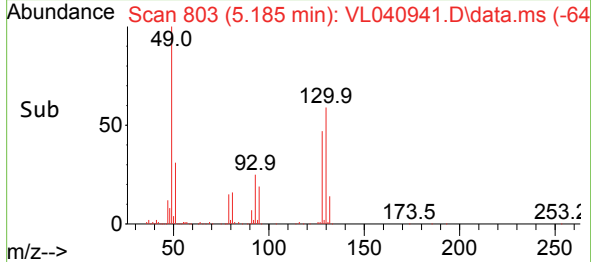
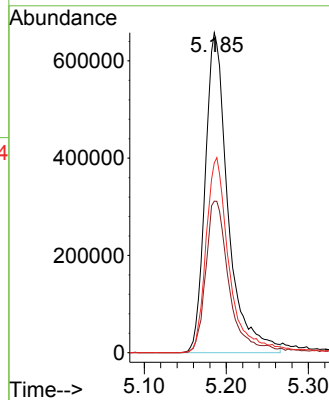
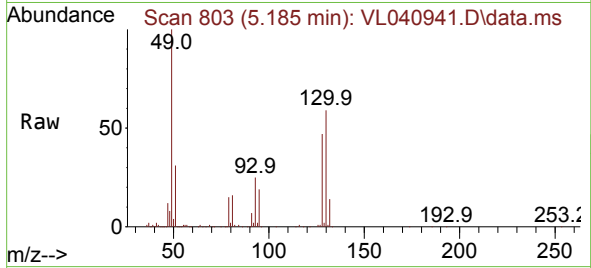




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. 0.009 min
Lab File: VL040941.D
Acq: 21 Dec 2023 22:19

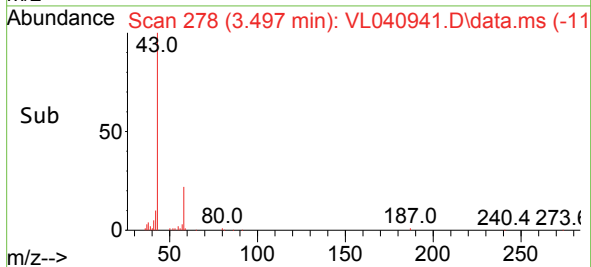
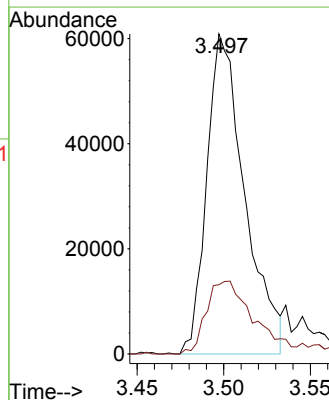
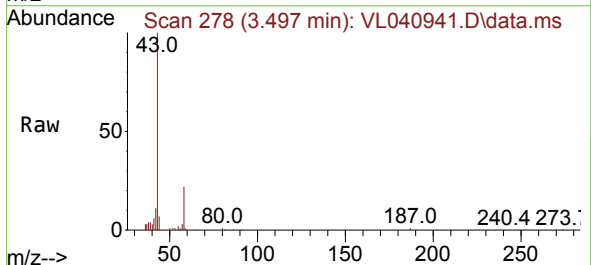
Instrument :
MSVOA_L
ClientSampleId :

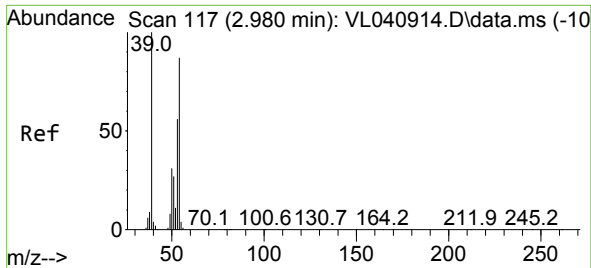
Tgt Ion: 49 Resp: 1272963
Ion Ratio Lower Upper
49 100
128 49.9 23.8 71.2
130 63.5 30.1 90.5



#15
Acetone
Concen: 0.607 ppbv
RT: 3.497 min Scan# 278
Delta R.T. 0.039 min
Lab File: VL040941.D
Acq: 21 Dec 2023 22:19

Tgt Ion: 43 Resp: 92723
Ion Ratio Lower Upper
43 100
58 32.1 20.6 30.8#

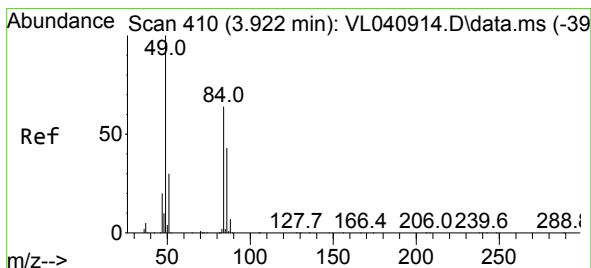
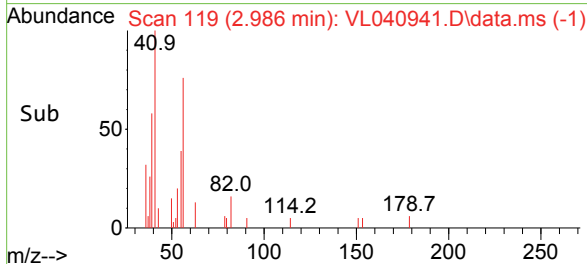
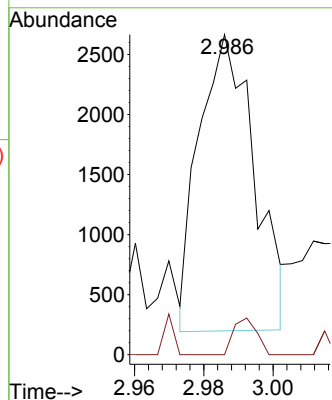
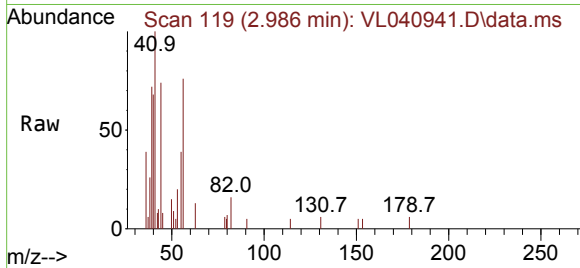




#16
1,3-Butadiene
Concen: 0.042 ppbv
RT: 2.986 min Scan# 117
Delta R.T. 0.006 min
Lab File: VL040941.D
Acq: 21 Dec 2023 22:19

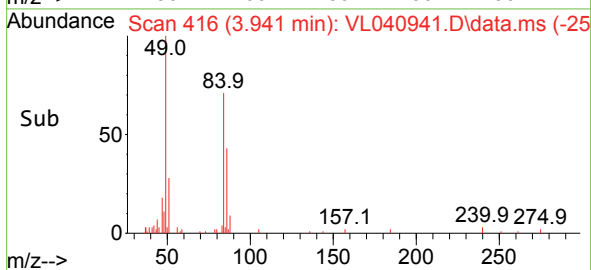
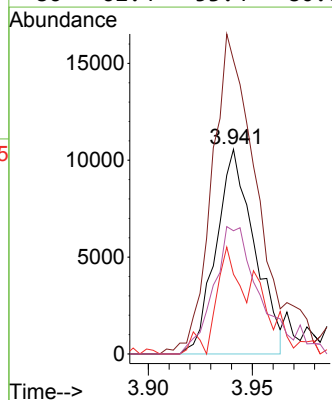
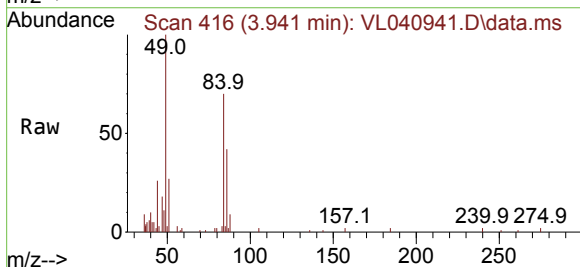
Instrument :
MSVOA_L
ClientSampleId :

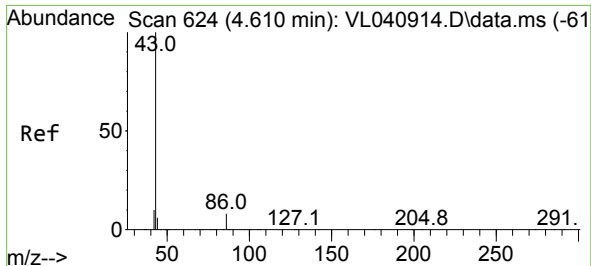
Tgt Ion: 39 Resp: 2734
Ion Ratio Lower Upper
39 100
54 5.2 63.8 95.6#



#20
Methylene Chloride
Concen: 0.249 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.019 min
Lab File: VL040941.D
Acq: 21 Dec 2023 22:19

Tgt Ion: 84 Resp: 13544
Ion Ratio Lower Upper
84 100
49 138.1 124.6 187.0
51 38.9 37.2 55.8
86 62.4 53.4 80.0

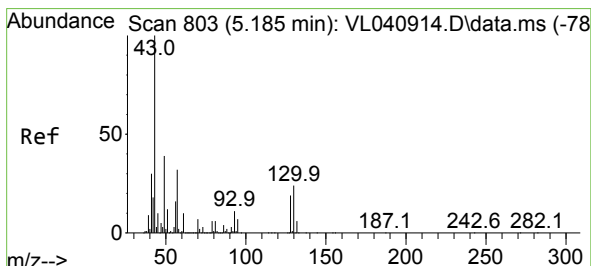
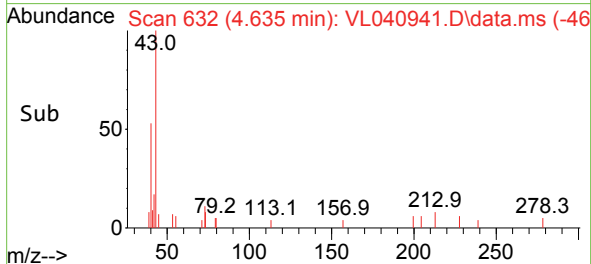
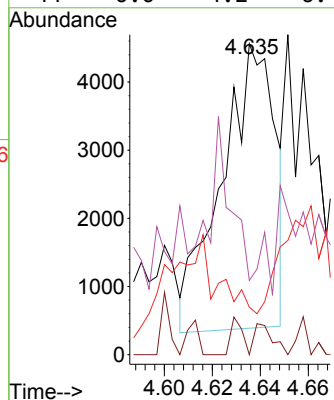
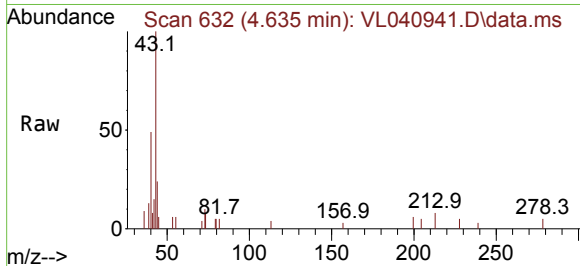




#23
 Vinyl Acetate
 Concen: 0.038 ppbv
 RT: 4.635 min Scan# 61
 Delta R.T. 0.026 min
 Lab File: VL040941.D
 Acq: 21 Dec 2023 22:19

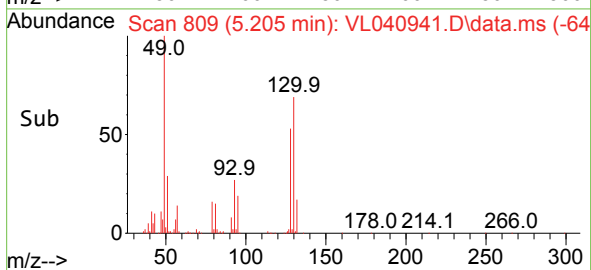
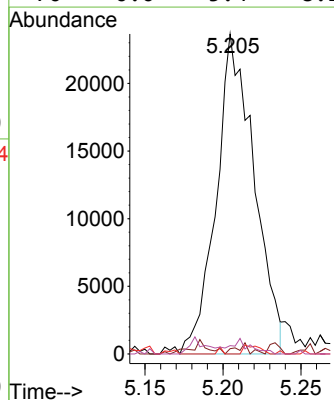
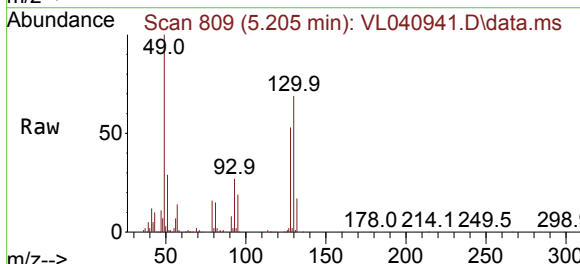
Instrument :
 MSVOA_L
 ClientSampleId :

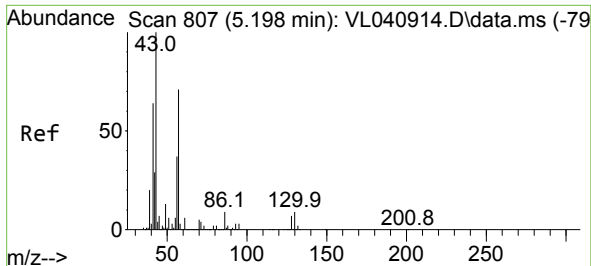
Tgt Ion: 43 Resp: 6450
 Ion Ratio Lower Upper
 43 100
 86 0.0 5.5 8.3#
 42 0.0 8.4 12.6#
 44 0.0 4.2 6.4#



#25
 Ethyl Acetate
 Concen: 0.151 ppbv
 RT: 5.205 min Scan# 809
 Delta R.T. 0.019 min
 Lab File: VL040941.D
 Acq: 21 Dec 2023 22:19

Tgt Ion: 43 Resp: 39879
 Ion Ratio Lower Upper
 43 100
 45 3.1 8.2 12.2#
 61 1.5 7.6 11.4#
 70 0.0 5.4 8.2#

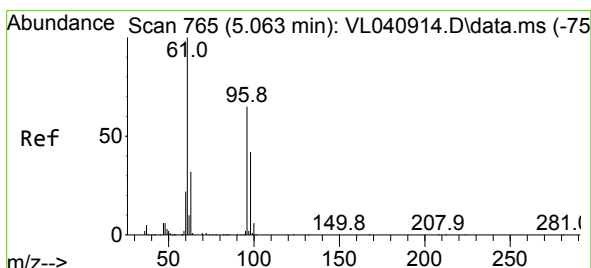
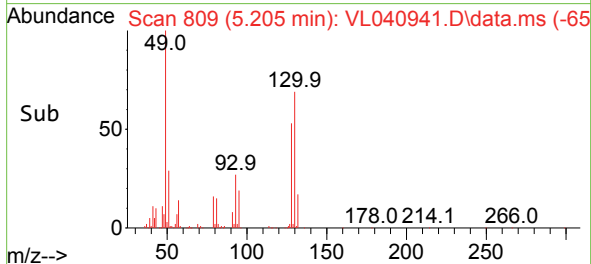
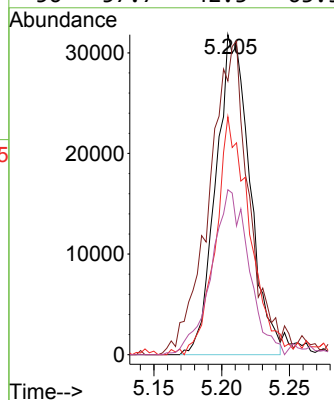
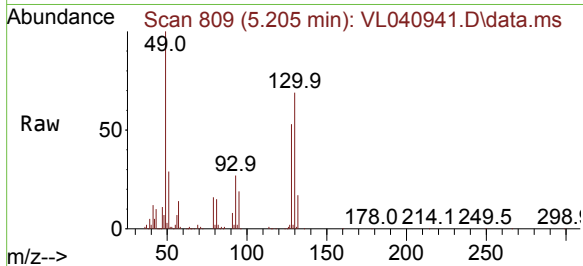




#26
Hexane
Concen: 0.471 ppbv
RT: 5.205 min Scan# 807
Delta R.T. 0.006 min
Lab File: VL040941.D
Acq: 21 Dec 2023 22:19

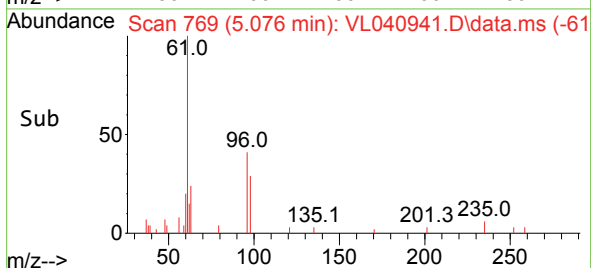
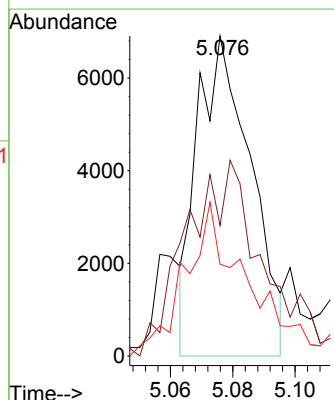
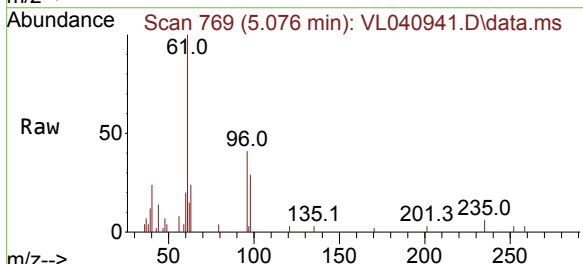
Instrument :
MSVOA_L
ClientSampleId :

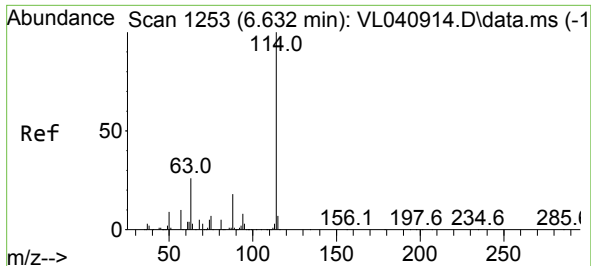
Tgt Ion: 57 Resp: 55224
Ion Ratio Lower Upper
57 100
41 121.6 75.2 112.8#
43 79.2 188.0 282.0#
56 57.7 42.3 63.5



#31
cis-1,2-Dichloroethene
Concen: 0.069 ppbv
RT: 5.076 min Scan# 769
Delta R.T. 0.013 min
Lab File: VL040941.D
Acq: 21 Dec 2023 22:19

Tgt Ion: 61 Resp: 8270
Ion Ratio Lower Upper
61 100
96 23.7 51.7 77.5#
98 23.9 33.2 49.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.635 min Scan# 114

Delta R.T. 0.003 min

Lab File: VL040941.D

Acq: 21 Dec 2023 22:19

Instrument :

MSVOA_L

ClientSampleId :

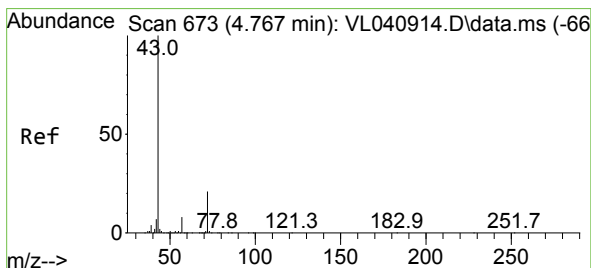
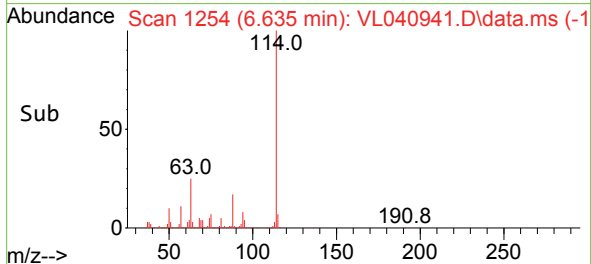
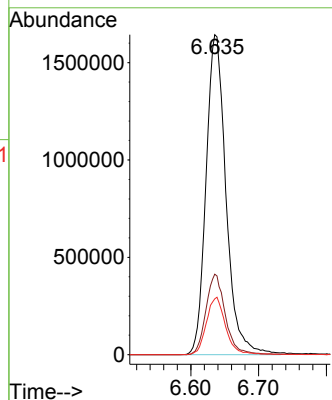
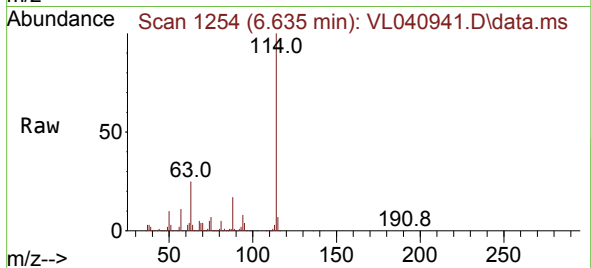
Tgt Ion:114 Resp: 3358818

Ion Ratio Lower Upper

114 100

63 24.4 21.0 31.6

88 17.4 14.3 21.5



#34

2-Butanone

Concen: 0.387 ppbv

RT: 4.806 min Scan# 685

Delta R.T. 0.039 min

Lab File: VL040941.D

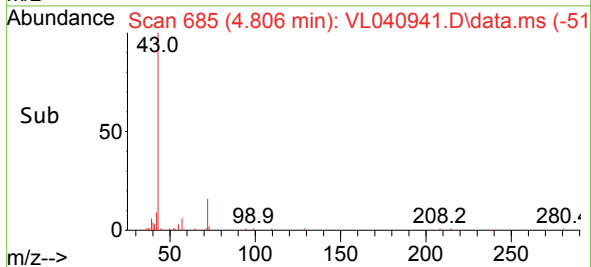
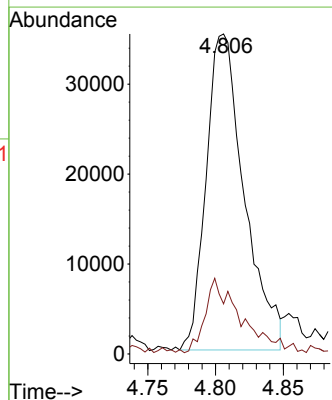
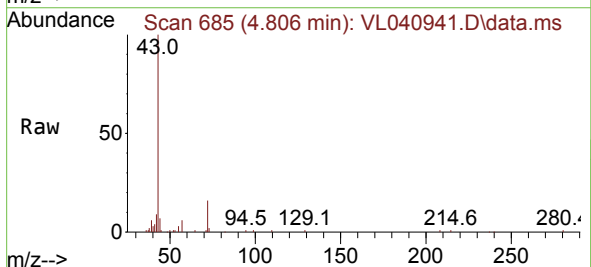
Acq: 21 Dec 2023 22:19

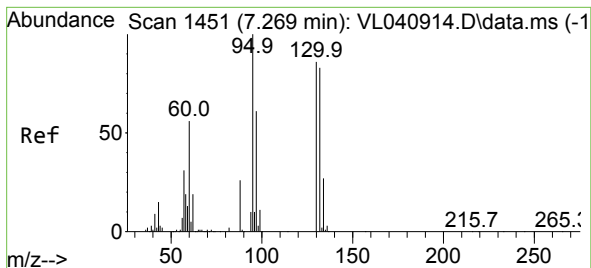
Tgt Ion: 43 Resp: 68751

Ion Ratio Lower Upper

43 100

72 24.8 17.2 25.8





#38

Trichloroethene

Concen: 1.479 ppbv

RT: 7.272 min Scan# 1451

Delta R.T. 0.003 min

Lab File: VL040941.D

Acq: 21 Dec 2023 22:19

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:130 Resp: 145903

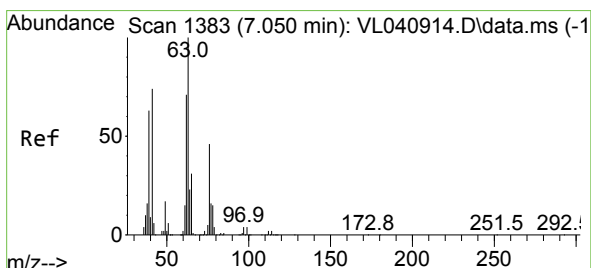
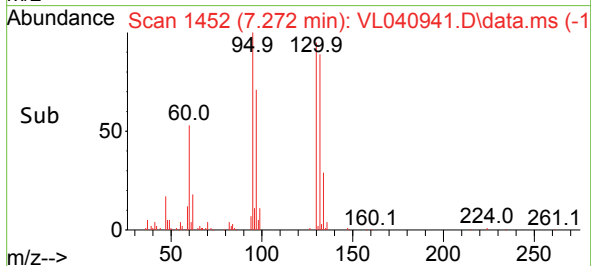
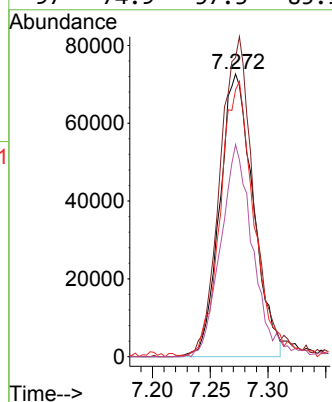
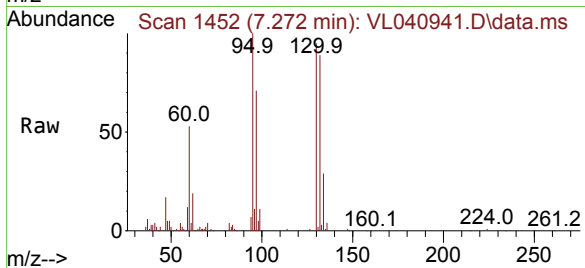
Ion Ratio Lower Upper

130 100

95 105.4 93.5 140.3

132 93.9 77.4 116.2

97 74.9 57.3 85.9



#39

1,2-Dichloropropane

Concen: 7.925 ppbv

RT: 6.635 min Scan# 1254

Delta R.T. -0.415 min

Lab File: VL040941.D

Acq: 21 Dec 2023 22:19

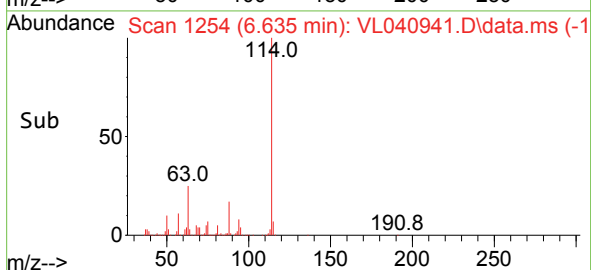
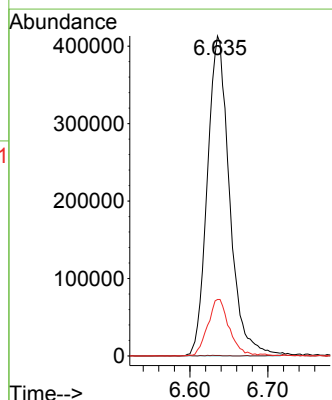
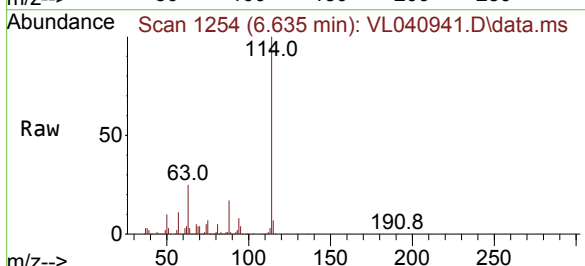
Tgt Ion: 63 Resp: 817670

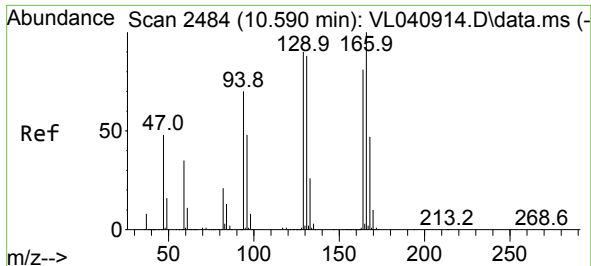
Ion Ratio Lower Upper

63 100

41 0.2 59.0 88.6#

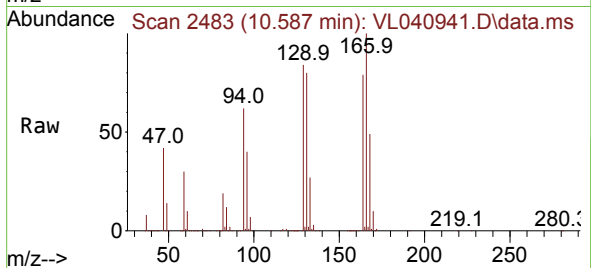
62 17.6 56.6 85.0#



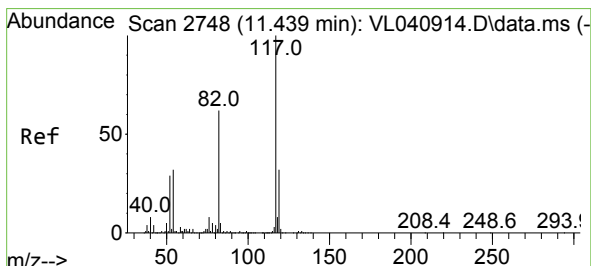
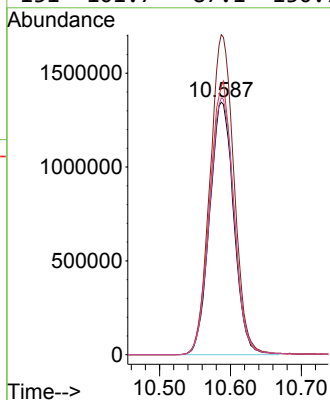
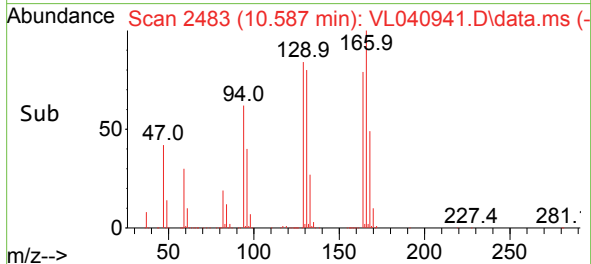


#52
Tetrachloroethene
Concen: 35.887 ppbv
RT: 10.587 min Scan# 2483
Delta R.T. -0.003 min
Lab File: VL040941.D
Acq: 21 Dec 2023 22:19

Instrument :
MSVOA_L
ClientSampleId :

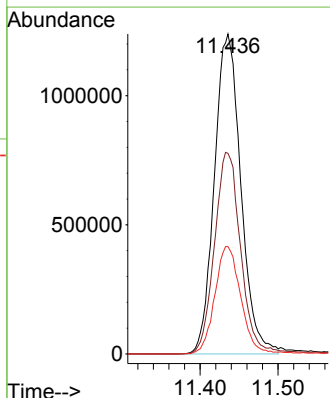
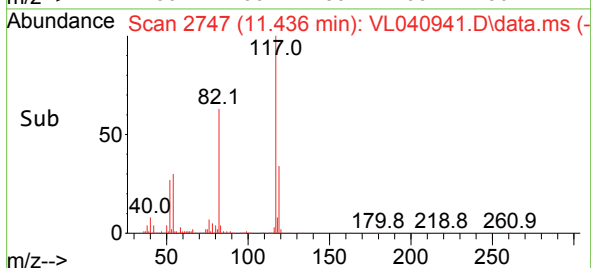
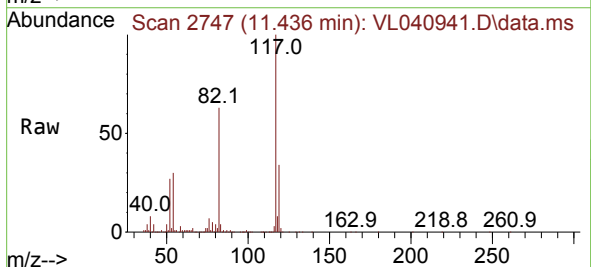


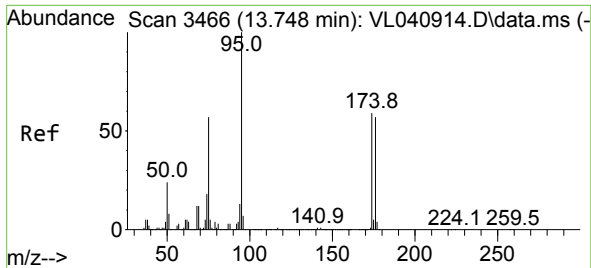
Tgt Ion:164 Resp: 3174237
Ion Ratio Lower Upper
164 100
166 126.7 98.9 148.3
129 106.3 88.7 133.1
131 101.7 87.1 130.7



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 2747
Delta R.T. -0.003 min
Lab File: VL040941.D
Acq: 21 Dec 2023 22:19

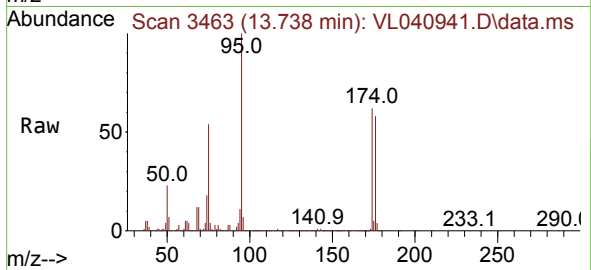
Tgt Ion:117 Resp: 2925615
Ion Ratio Lower Upper
117 100
82 63.6 49.6 74.4
119 33.6 23.4 35.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.002 ppbv
 RT: 13.738 min Scan# 34
 Delta R.T. -0.010 min
 Lab File: VL040941.D
 Acq: 21 Dec 2023 22:19

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 95 Resp: 2155355

Ion	Ratio	Lower	Upper
95	100		
174	63.9	48.0	72.0
175	4.8	3.7	5.5

