

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 :
 SV2DL2

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)

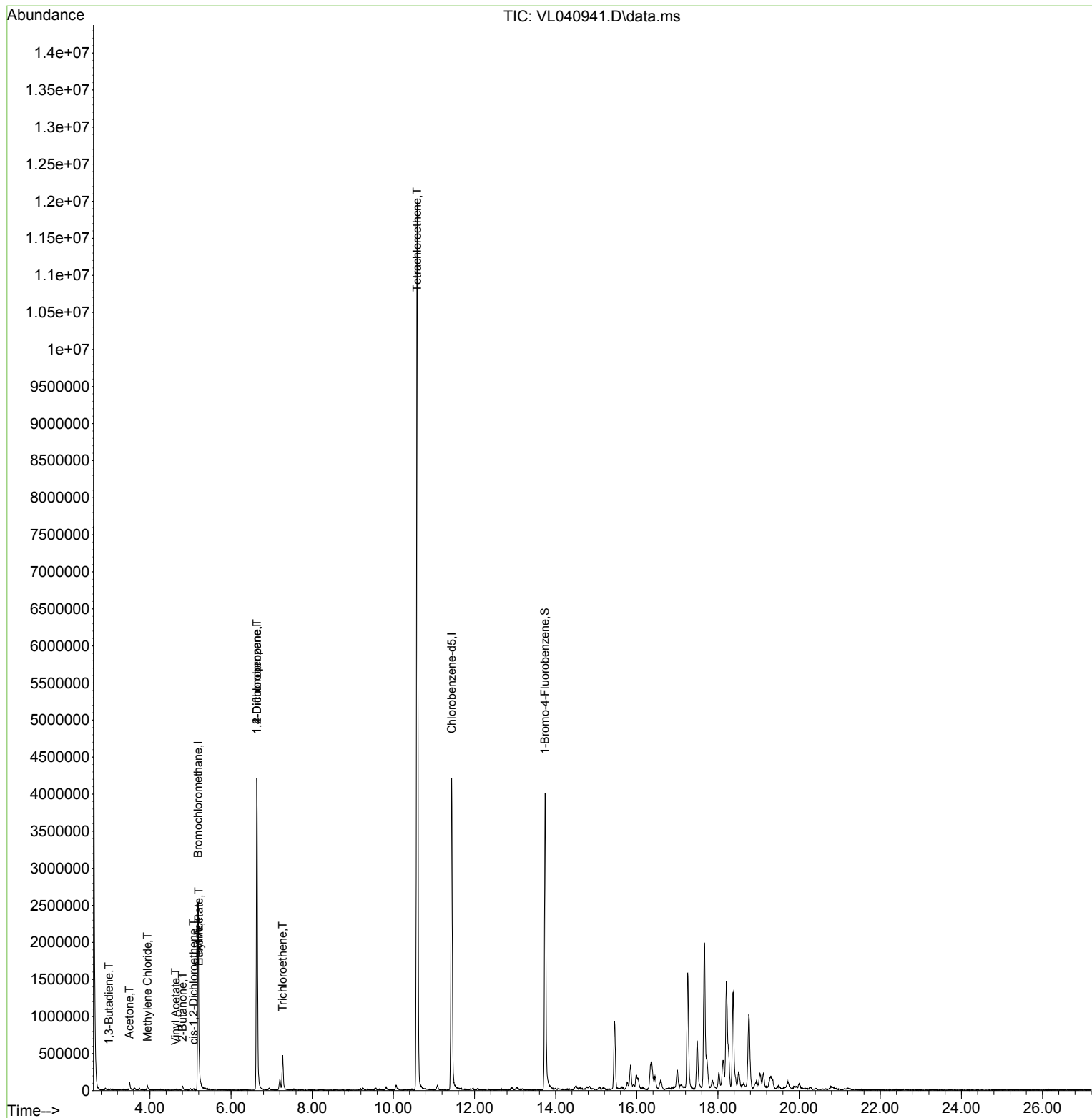
Internal Standards							
1) Bromochloromethane		5.185	49	1272963	10.000	ppbv	0.00
33) 1,4-Difluorobenzene		6.635	114	3358818	10.000	ppbv	0.00
55) Chlorobenzene-d5		11.436	117	2925615	10.000	ppbv	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		13.738	95	2155355	10.002	ppbv	0.00
Spiked 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

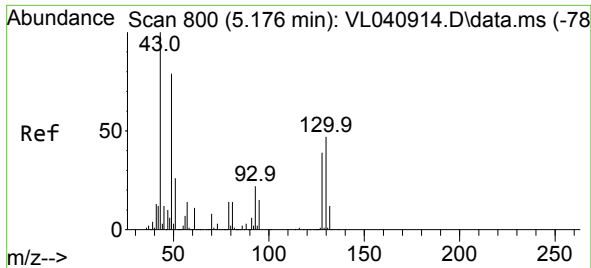
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

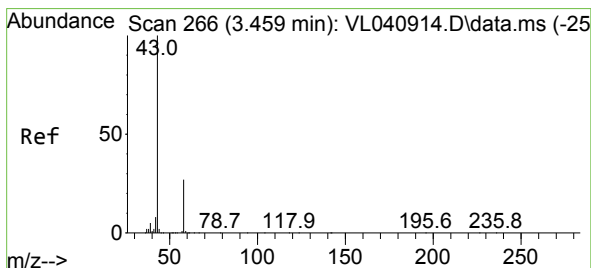
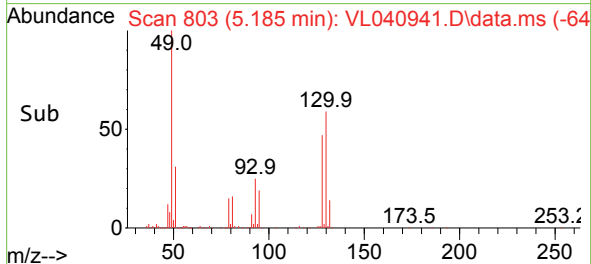
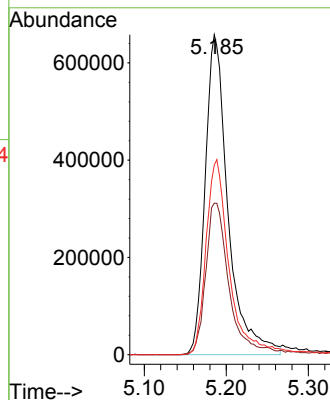
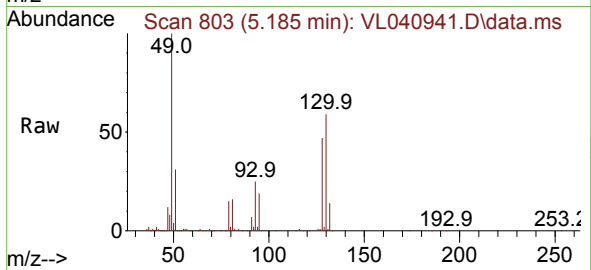




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 800
Delta R.T. 0.009 min
Lab File: VL040941.D
Acq: 21 Dec 2023 22:19

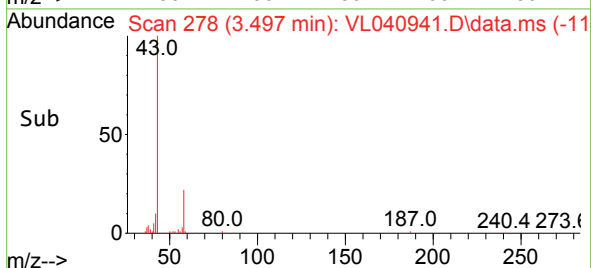
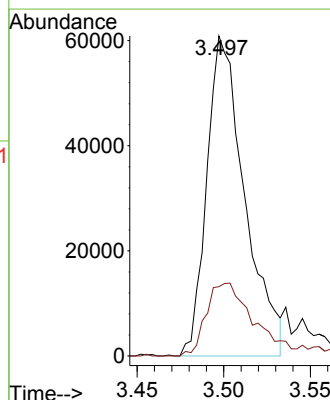
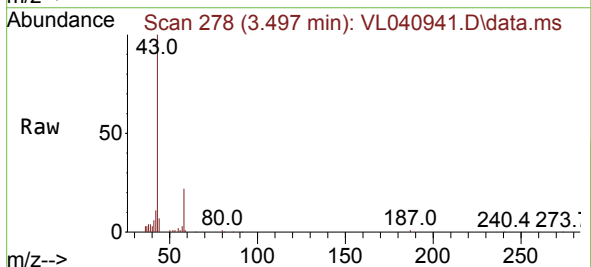
Instrument :
MSVOA_L
ClientSampleId :
SV2DL2

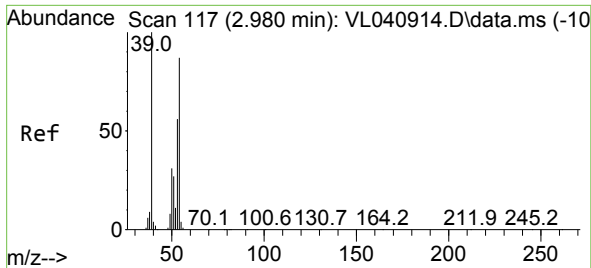
Tgt Ion: 49 Resp: 1272963
Ion Ratio Lower Upper
49 100
128 49.9 23.8 71.2
130 63.5 30.1 90.5



#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

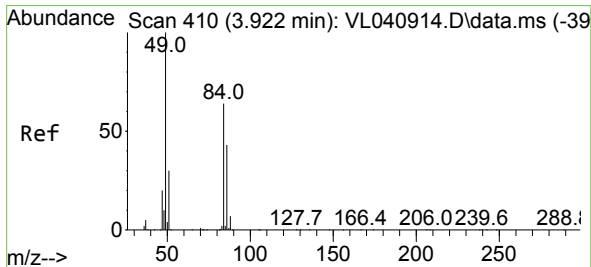
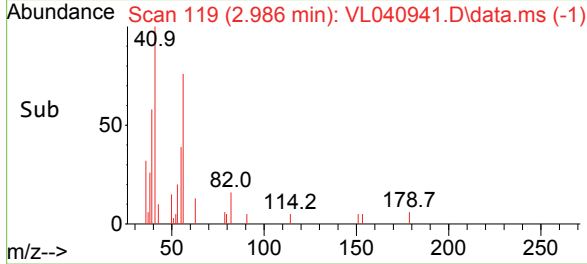
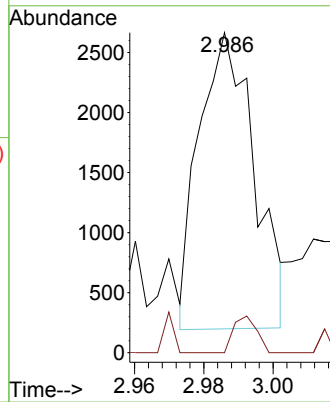
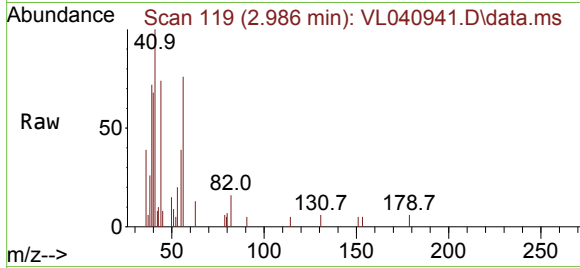




#16
1,3-Butadiene
Concen: 0.042 ppbv
RT: 2.986 min Scan# 117
Delta R.T. 0.006 min
Lab File: VL040941.D
Acq: 21 Dec 2023 22:19

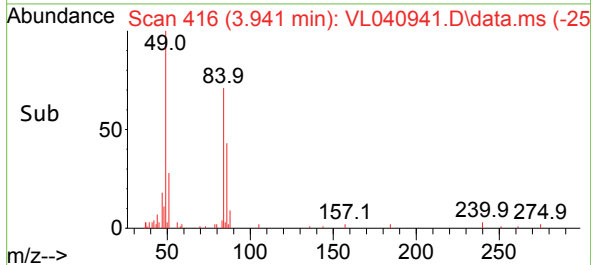
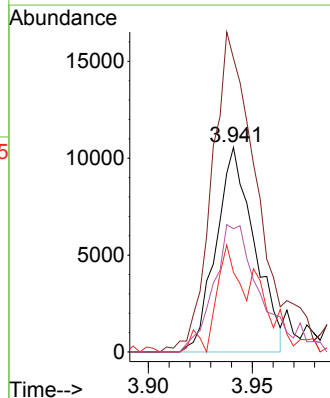
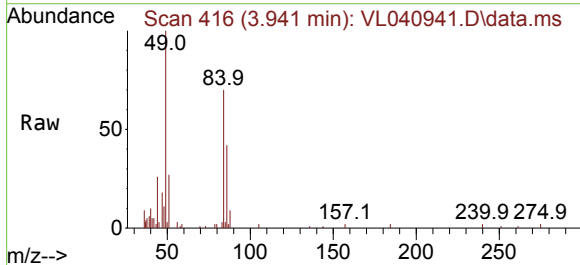
Instrument :
MSVOA_L
ClientSampleId :
SV2DL2

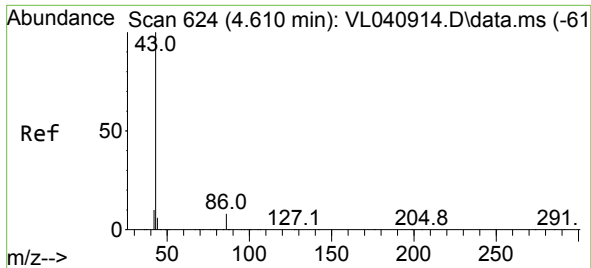
Tgt Ion: 39 Resp: 2734
Ion Ratio Lower Upper
39 100
54 5.2 63.8 95.6#



#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

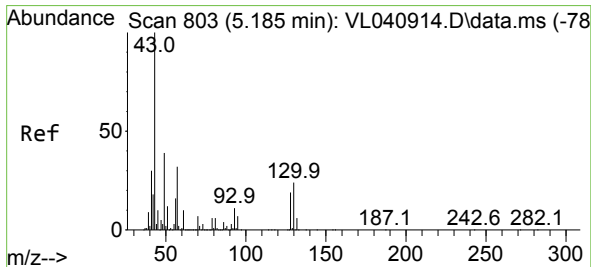
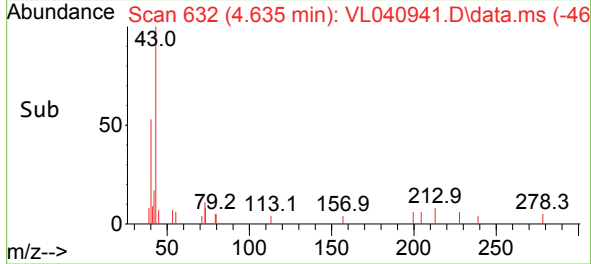
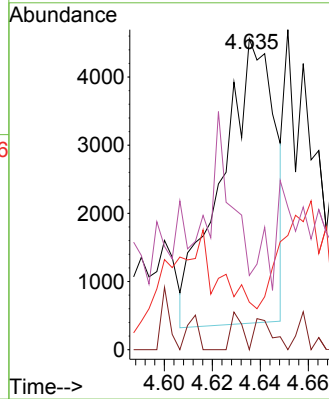
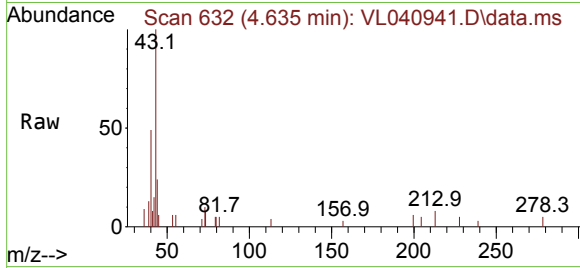




#23
Vinyl Acetate
Concen: 0.038 ppbv
RT: 4.635 min Scan# 61
Delta R.T. 0.026 min
Lab File: VL040941.D
Acq: 21 Dec 2023 22:19

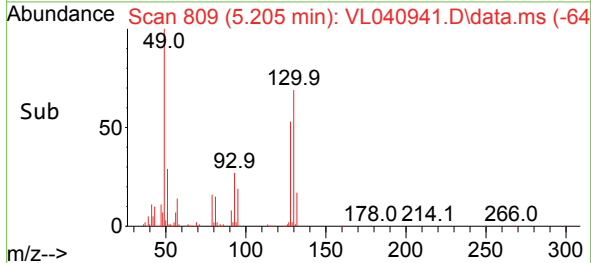
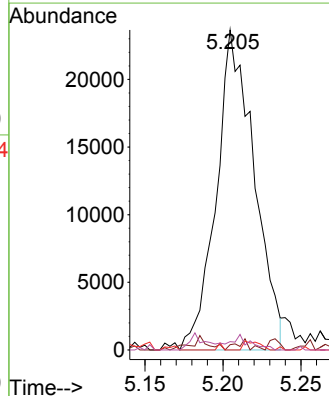
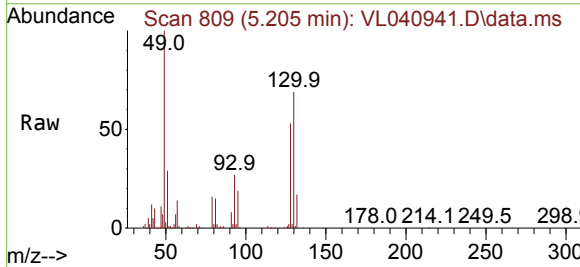
Instrument :
MSVOA_L
ClientSampleId :
SV2DL2

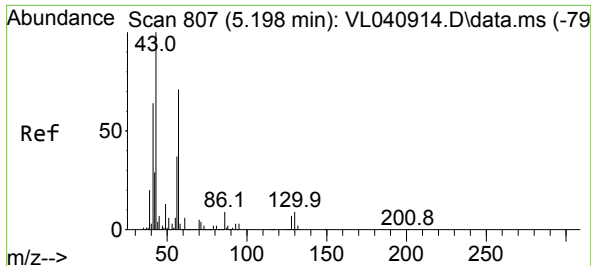
Tgt Ion: 43 Resp: 6450
Ion Ratio Lower Upper
43 100
86 0.0 5.5 8.3#
42 0.0 8.4 12.6#
44 0.0 4.2 6.4#



#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#

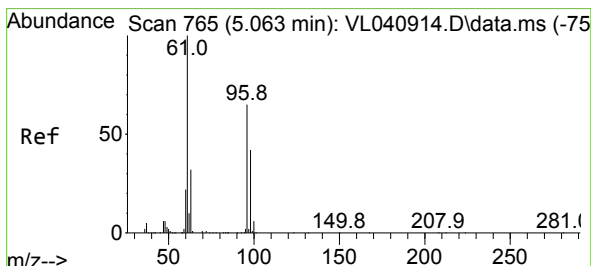
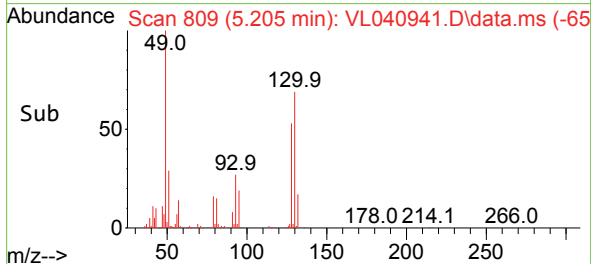
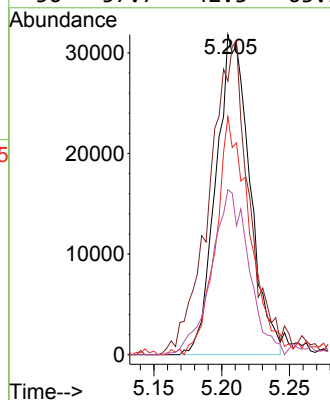
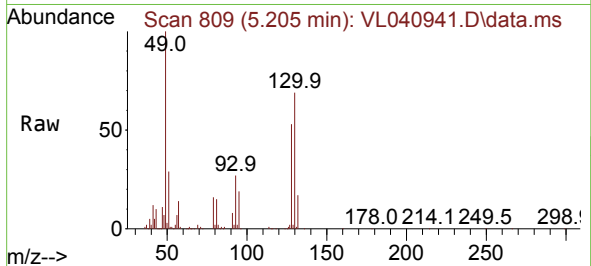




#26
Hexane
Concen: 0.471 ppbv
RT: 5.205 min Scan# 807
Delta R.T. 0.006 min
Lab File: VL040941.D
Acq: 21 Dec 2023 22:19

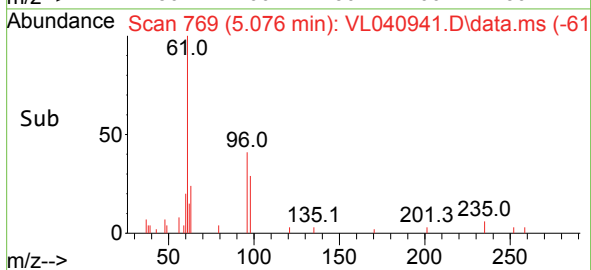
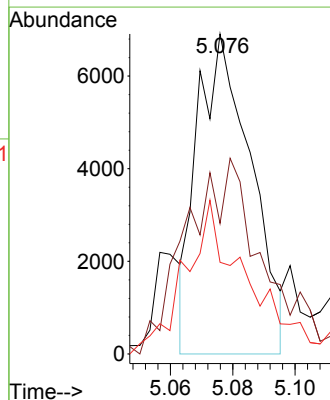
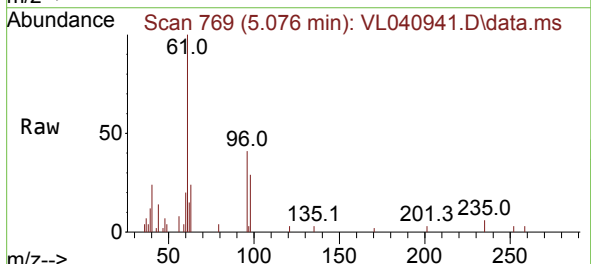
Instrument :
MSVOA_L
ClientSampleId :
SV2DL2

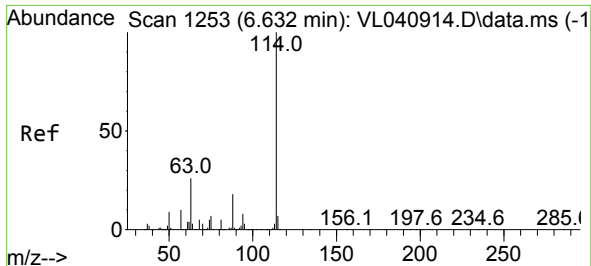
Tgt Ion: 57 Resp: 55224
Ion Ratio Lower Upper
57 100
41 121.6 75.2 112.8#
43 79.2 188.0 282.0#
56 57.7 42.3 63.5



#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# 11

Delta R.T. 0.003 min

Lab File: VL040941.D

Acq: 21 Dec 2023 22:19

Instrument :

MSVOA_L

ClientSampleId :

SV2DL2

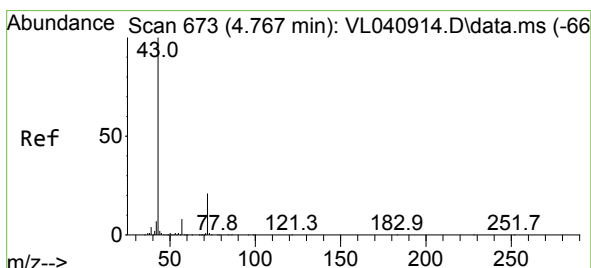
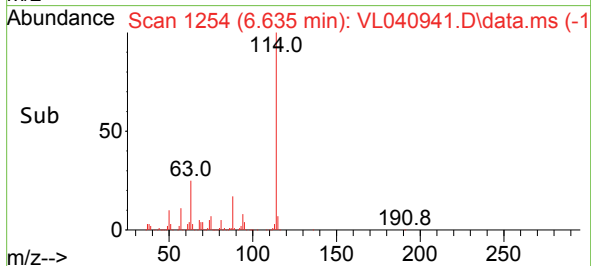
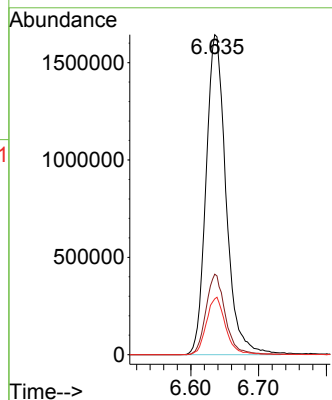
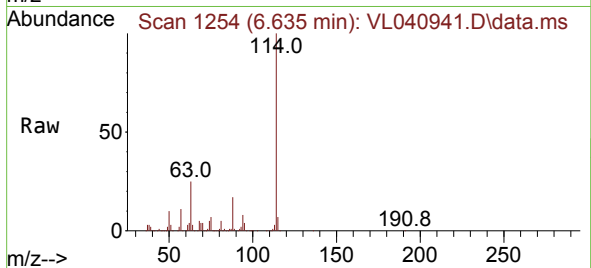
Tgt Ion:114 Resp: 3358818

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

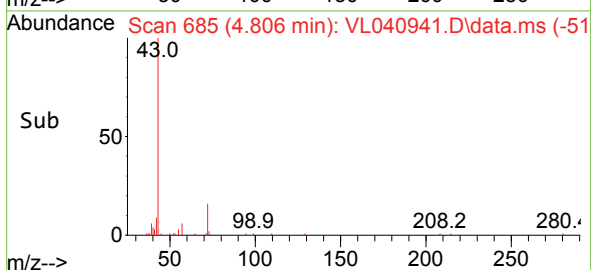
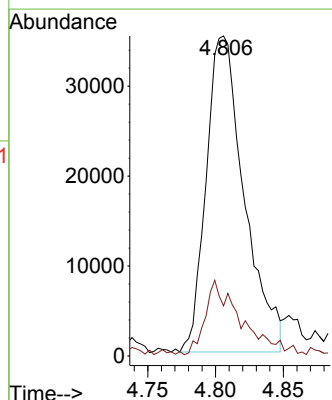
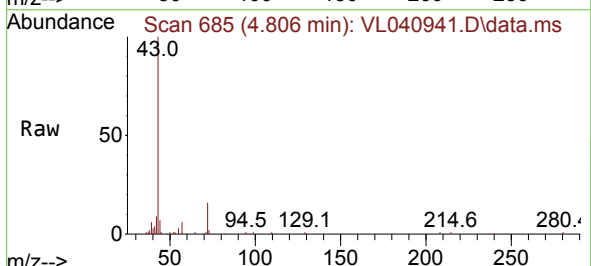
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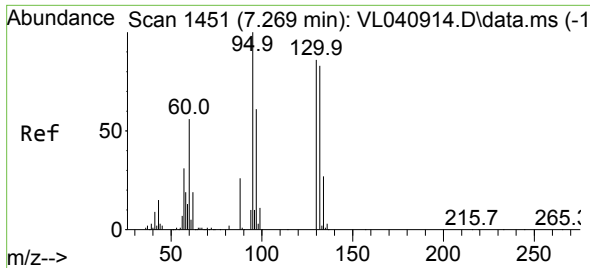
Tgt Ion: 43 Resp: 68751

Ion Ratio Lower Upper

43 100

72 24.8 17.2 25.8

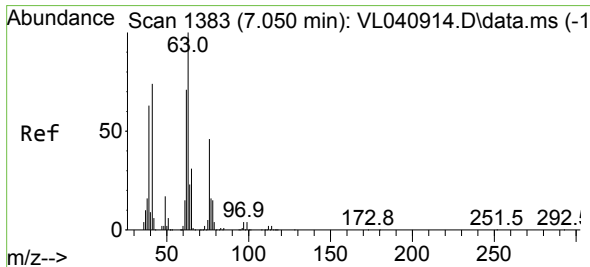
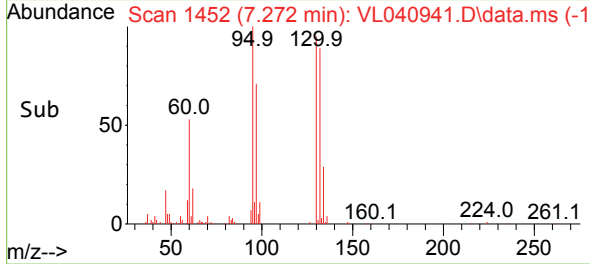
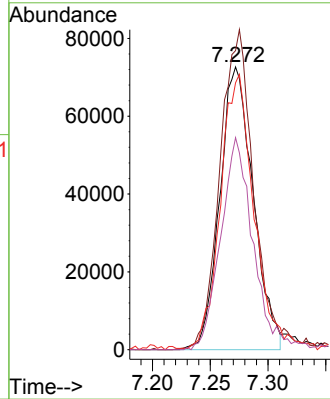
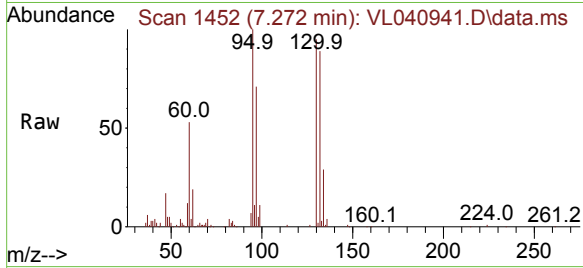




#38
 Trichloroethene
 Concen: 1.479 ppbv
 RT: 7.272 min Scan# 1451
 Delta R.T. 0.003 min
 Lab File: VL040941.D
 Acq: 21 Dec 2023 22:19

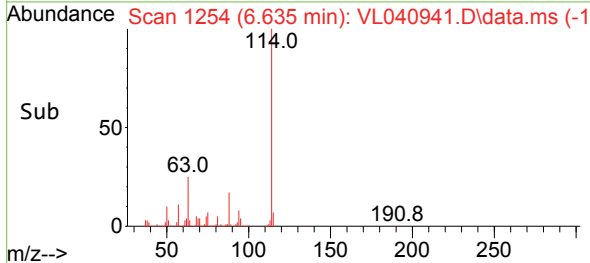
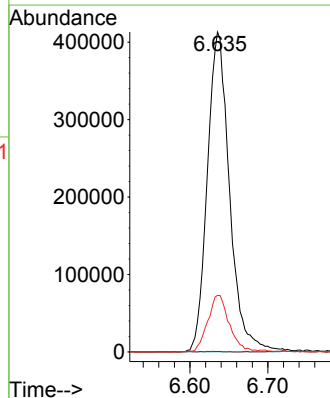
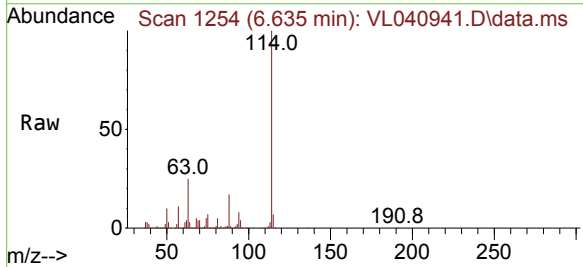
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL2

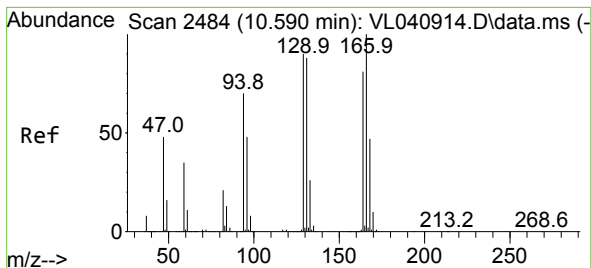
Tgt Ion:	130	Resp:	145903
Ion	Ratio	Lower	Upper
130	100		
95	105.4	93.5	140.3
132	93.9	77.4	116.2
97	74.9	57.3	85.9



#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 :

SV2DL2

Tgt Ion:164 Resp: 3174237

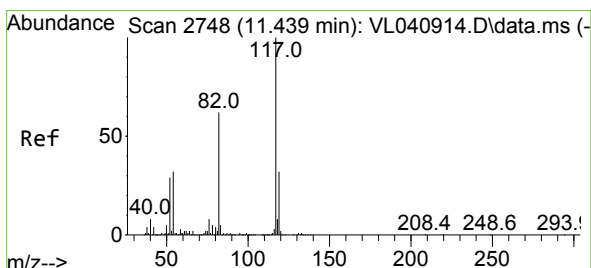
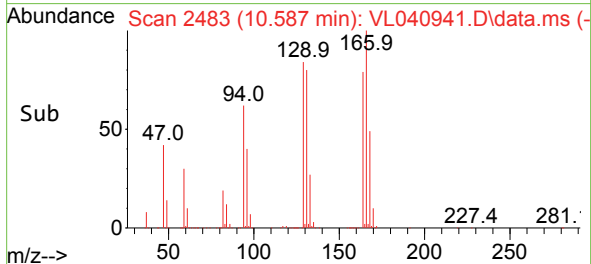
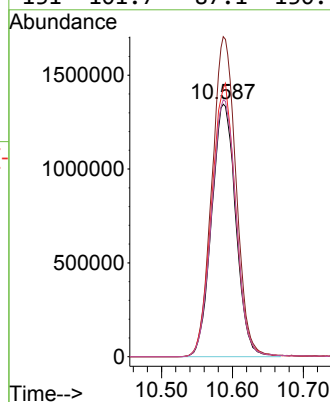
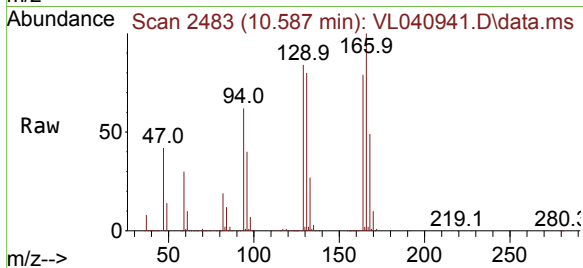
Ion Ratio Lower Upper

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

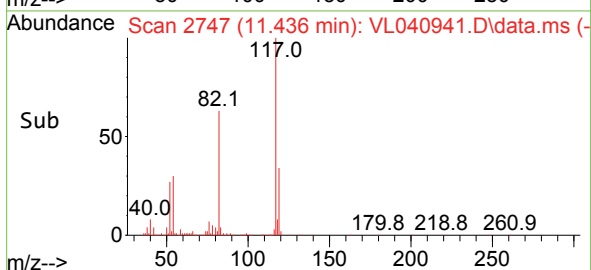
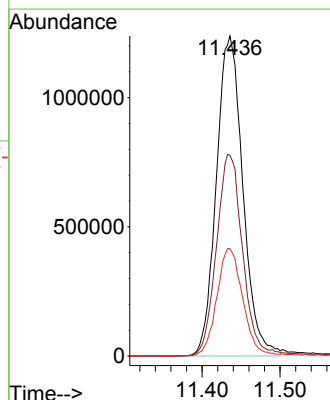
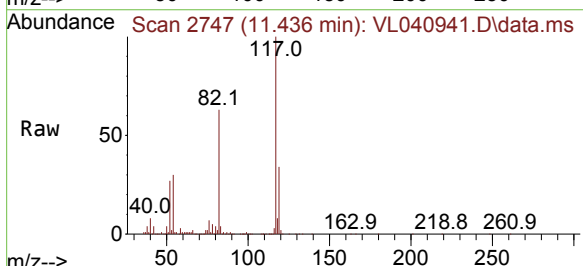
Tgt Ion:117 Resp: 2925615

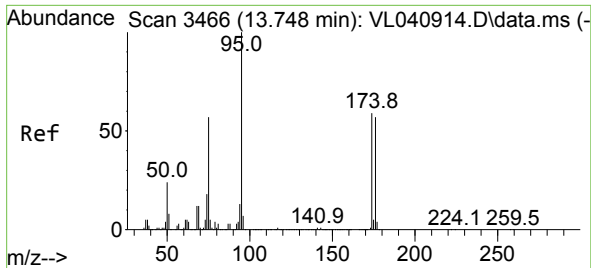
Ion Ratio Lower Upper

117 100

82 63.6 49.6 74.4

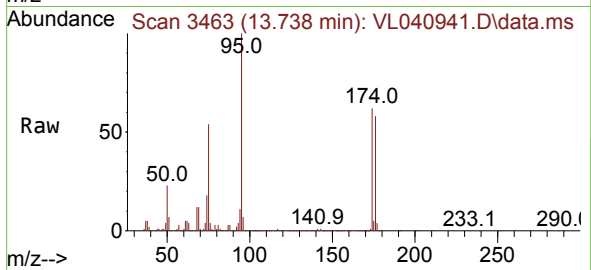
119 33.6 23.4 35.0





#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 :
 SV2DL2



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

