

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031323\
 Data File : VL040276.D
 Acq On : 13 Mar 2023 22:24
 Operator : SY/MD
 Sample : 01899-02DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Mar 14 04:57:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Mar 14 04:52:39 2023
 Response via : Initial Calibration

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

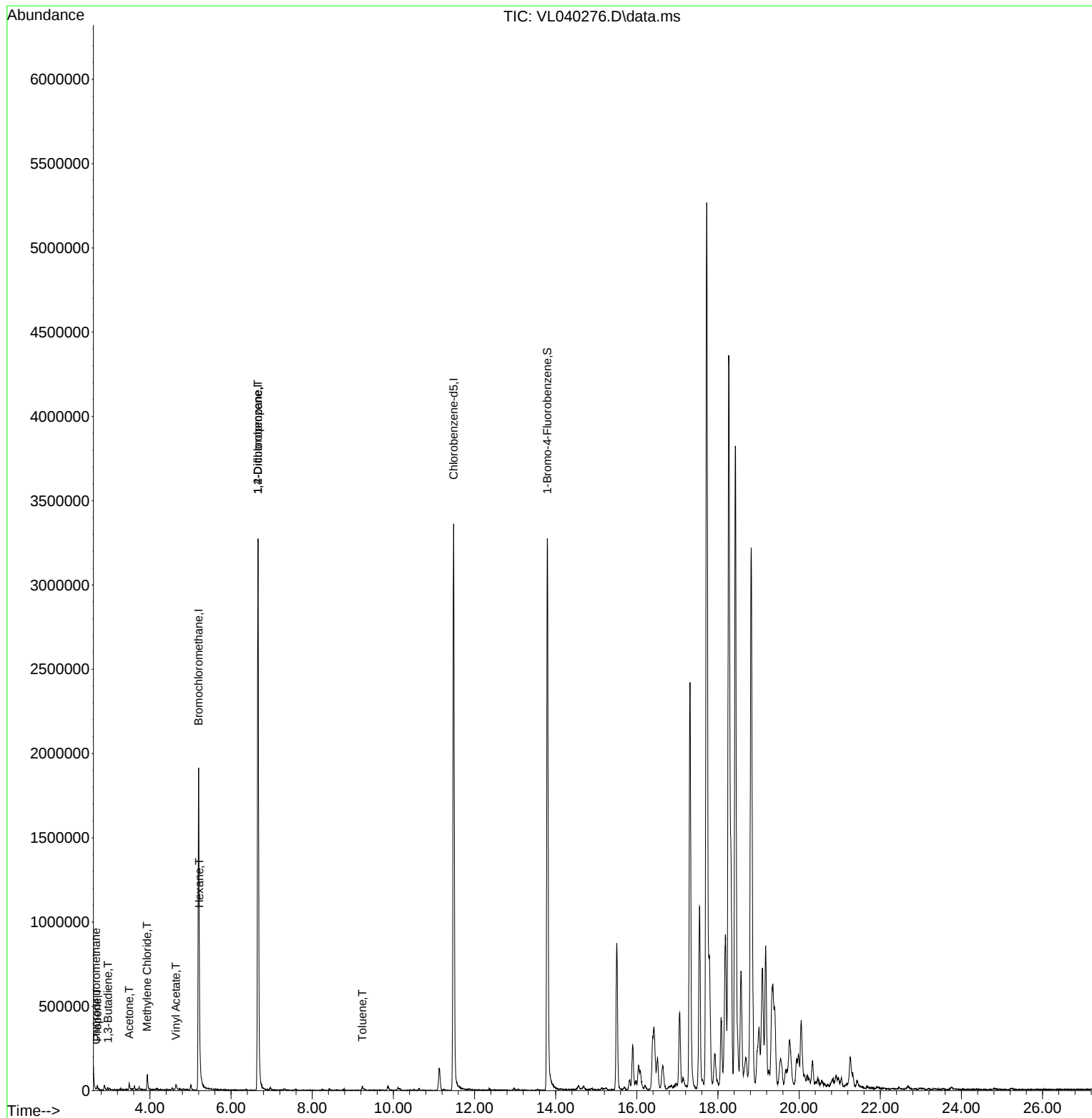
Internal Standards						
1) Bromochloromethane	5.198	49	973618	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2561919	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	2230391	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.796	95	1689552	9.212	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.100%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.674	51	3910	0.034	ppbv	99
9) Propene	2.700	41	6394	0.135	ppbv	96
15) Acetone	3.488	43	34257	0.292	ppbv #	84
16) 1,3-Butadiene	2.963	39	3059	0.057	ppbv #	19
20) Methylene Chloride	3.931	84	29511	0.484	ppbv	93
23) Vinyl Acetate	4.642	43	44641	1.255	ppbv	99
26) Hexane	5.217	57	37591	0.402	ppbv #	35
39) 1,2-Dichloropropane	6.664	63	622645	8.028	ppbv #	26
53) Toluene	9.237	91	9594	0.045	ppbv #	33

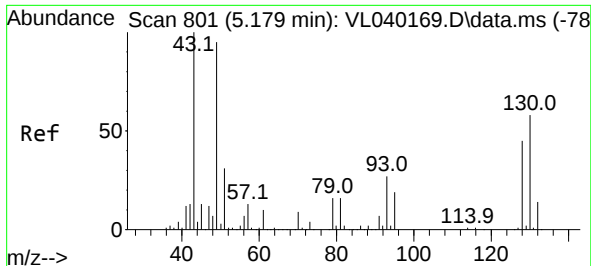
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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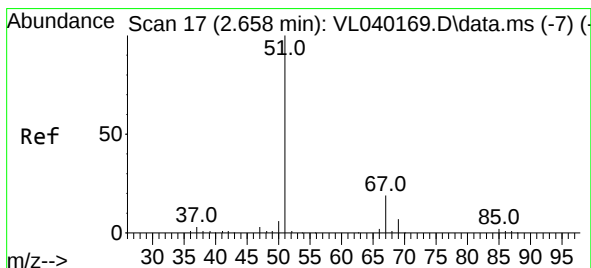
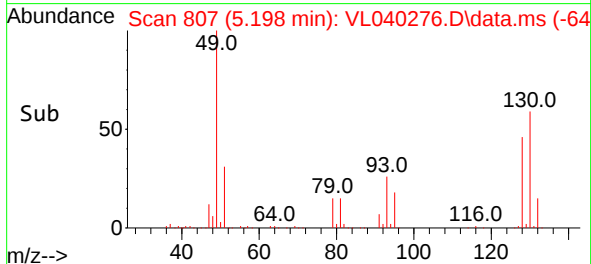
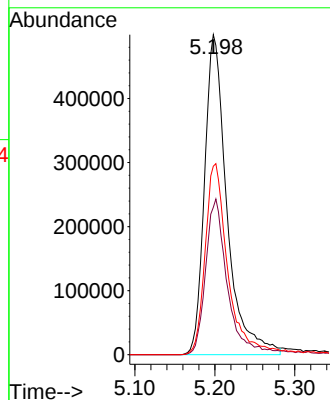
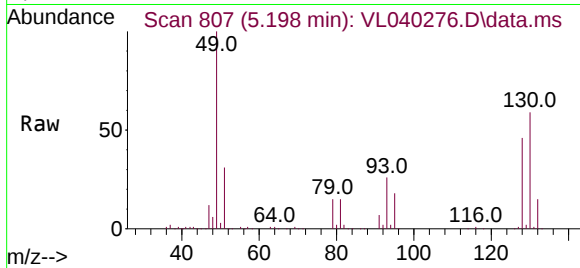




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.009 min
Lab File: VL040276.D
Acq: 13 Mar 2023 22:24

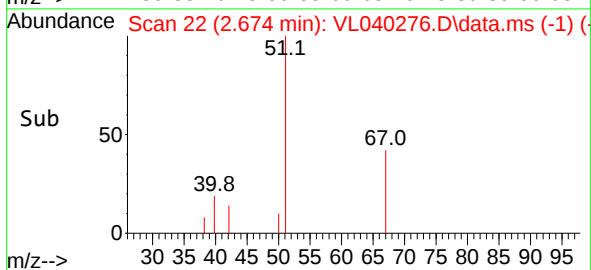
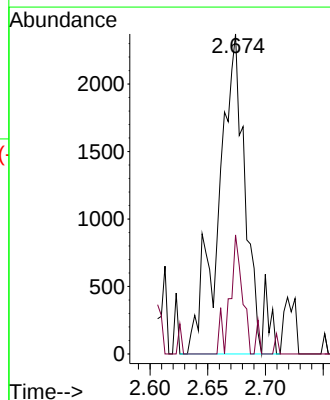
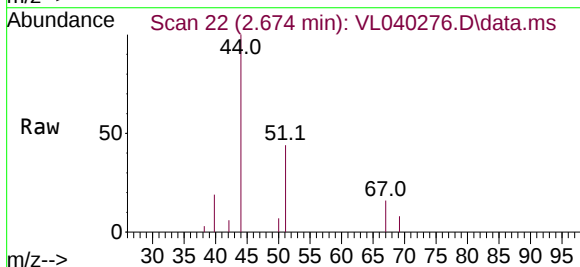
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

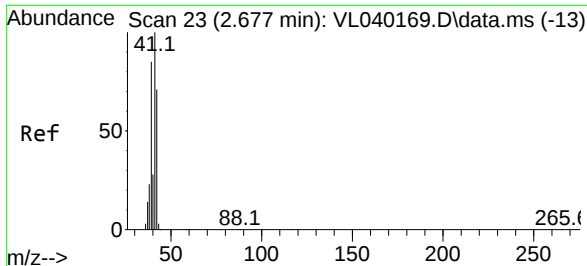
Tgt Ion: 49 Resp: 973618
Ion Ratio Lower Upper
49 100
128 49.0 24.1 72.3
130 62.2 30.9 92.8



#3
Chlorodifluoromethane
Concen: 0.034 ppbv
RT: 2.674 min Scan# 22
Delta R.T. 0.016 min
Lab File: VL040276.D
Acq: 13 Mar 2023 22:24

Tgt Ion: 51 Resp: 3910
Ion Ratio Lower Upper
51 100
67 18.8 15.4 23.2





#9

Propene

Concen: 0.135 ppbv

RT: 2.700 min Scan# 30

Delta R.T. 0.022 min

Lab File: VL040276.D

Acq: 13 Mar 2023 22:24

Instrument :

MSVOA_L

ClientSampleId :

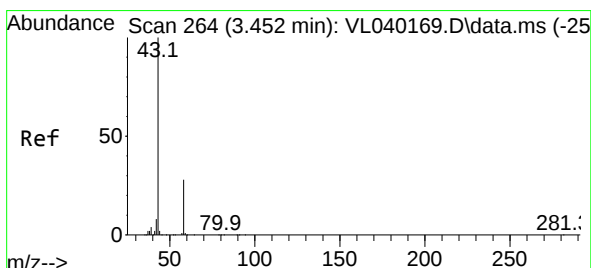
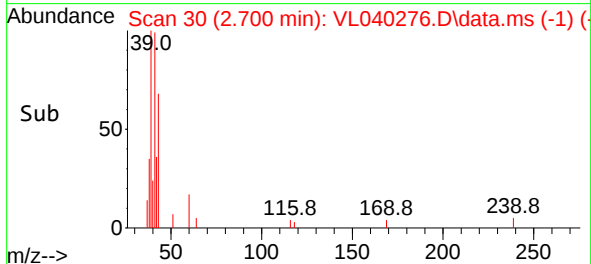
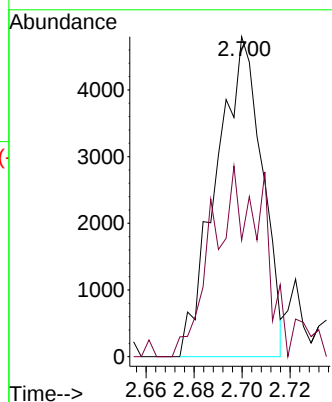
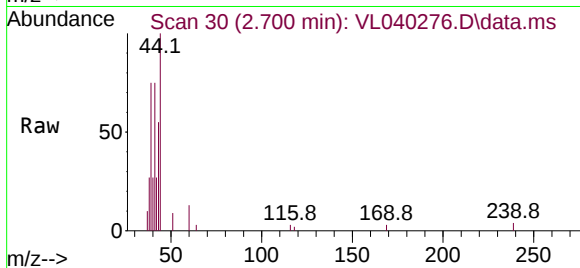
SV1DL

Tgt Ion: 41 Resp: 6394

Ion Ratio Lower Upper

41 100

42 74.5 56.9 85.3



#15

Acetone

Concen: 0.292 ppbv

RT: 3.488 min Scan# 275

Delta R.T. 0.032 min

Lab File: VL040276.D

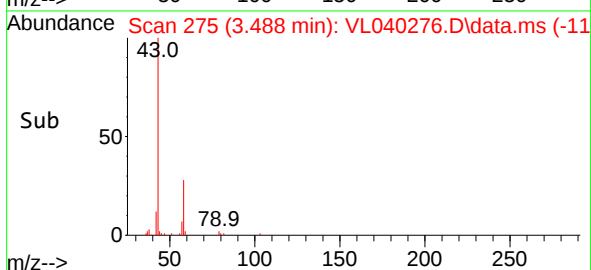
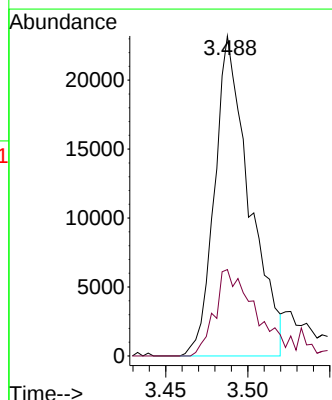
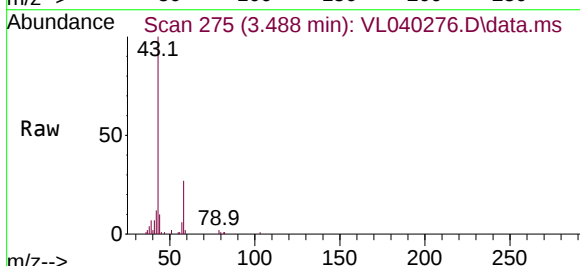
Acq: 13 Mar 2023 22:24

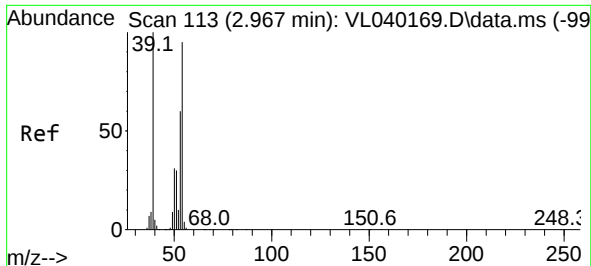
Tgt Ion: 43 Resp: 34257

Ion Ratio Lower Upper

43 100

58 36.5 22.4 33.6#

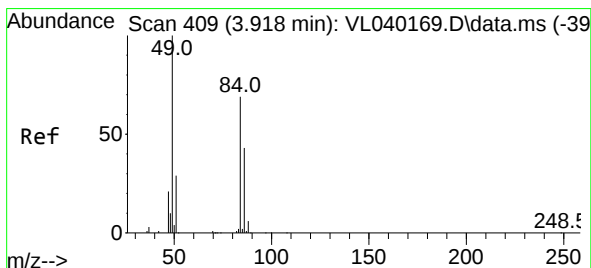
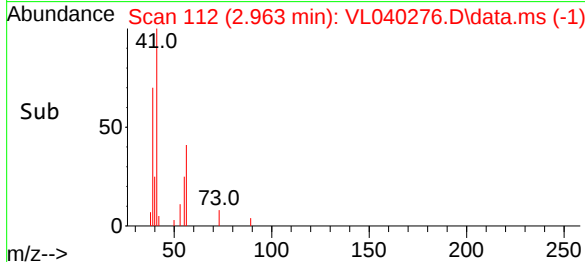
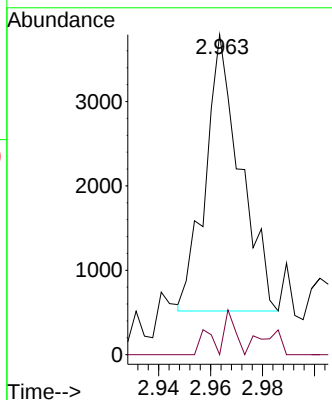
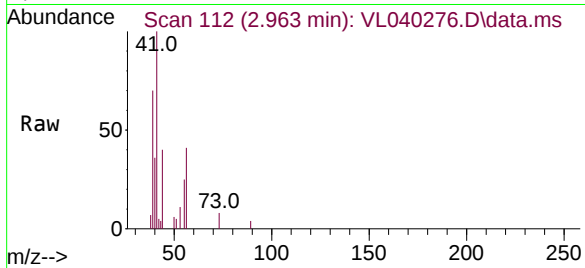




#16
1,3-Butadiene
Concen: 0.057 ppbv
RT: 2.963 min Scan# 113
Delta R.T. -0.007 min
Lab File: VL040276.D
Acq: 13 Mar 2023 22:24

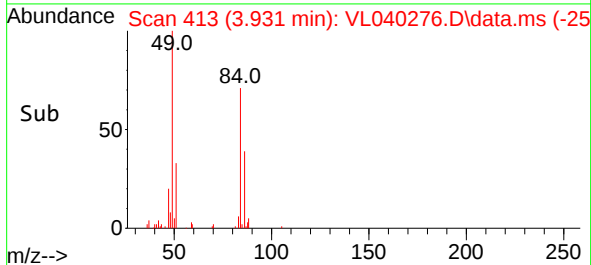
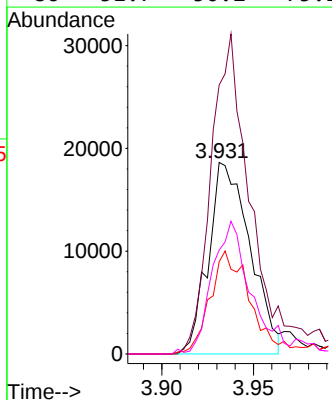
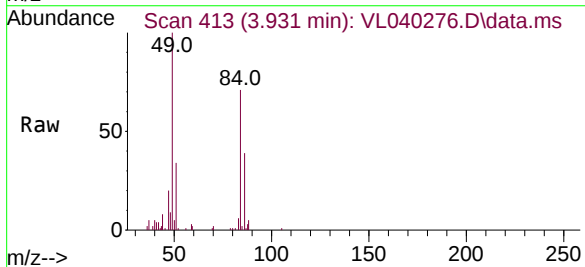
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

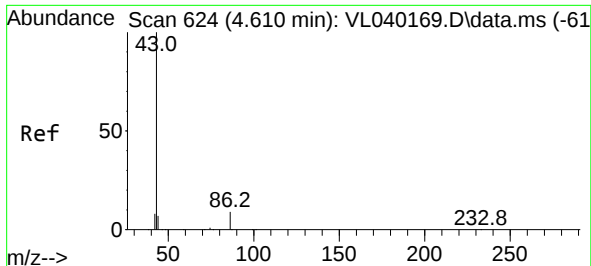
Tgt Ion: 39 Resp: 3059
Ion Ratio Lower Upper
39 100
54 10.6 66.7 100.1#



#20
Methylene Chloride
Concen: 0.484 ppbv
RT: 3.931 min Scan# 413
Delta R.T. 0.010 min
Lab File: VL040276.D
Acq: 13 Mar 2023 22:24

Tgt Ion: 84 Resp: 29511
Ion Ratio Lower Upper
84 100
49 139.7 115.5 173.3
51 47.1 33.1 49.7
86 51.7 50.2 75.2

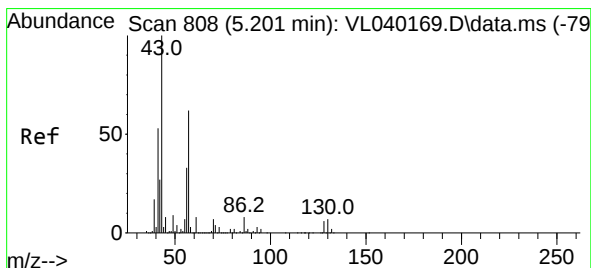
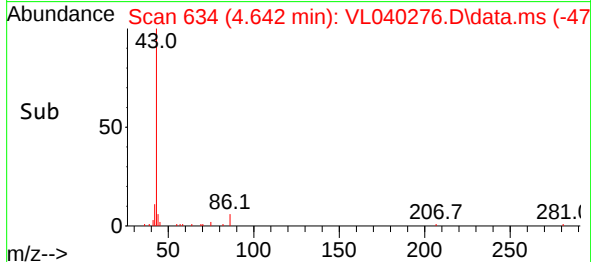
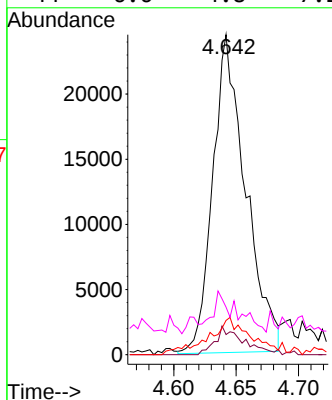
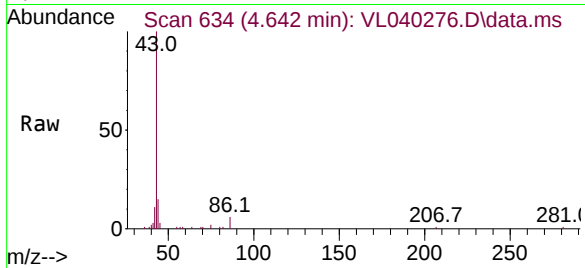




#23
 Vinyl Acetate
 Concen: 1.255 ppbv
 RT: 4.642 min Scan# 61
 Delta R.T. 0.022 min
 Lab File: VL040276.D
 Acq: 13 Mar 2023 22:24

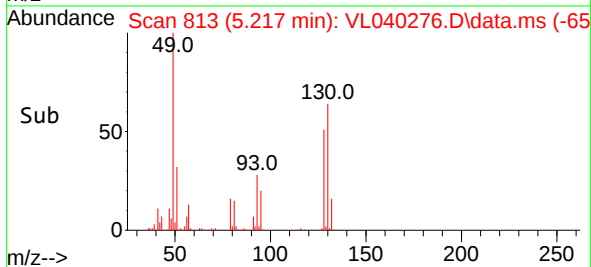
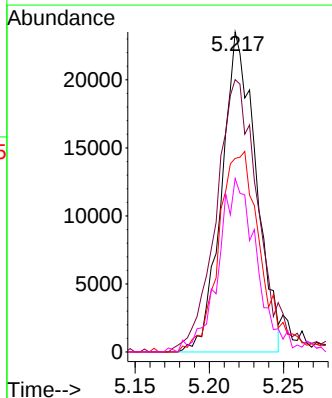
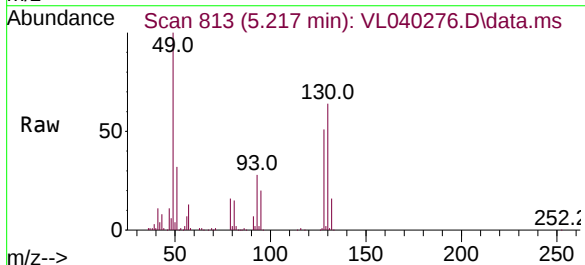
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

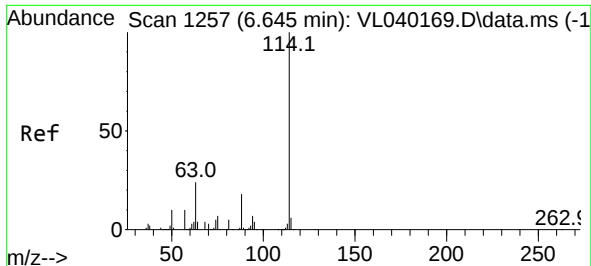
Tgt Ion: 43	Resp: 44641
Ion Ratio	Lower Upper
43 100	
86 6.4	5.6 8.4
42 9.4	7.6 11.4
44 6.6	4.8 7.2



#26
 Hexane
 Concen: 0.402 ppbv
 RT: 5.217 min Scan# 813
 Delta R.T. 0.010 min
 Lab File: VL040276.D
 Acq: 13 Mar 2023 22:24

Tgt Ion: 57	Resp: 37591		
Ion	Ratio	Lower	Upper
57	100		
41	108.2	74.3	111.5
43	77.9	193.0	289.4#
56	62.8	42.6	64.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 1263

Delta R.T. 0.010 min

Lab File: VL040276.D

Acq: 13 Mar 2023 22:24

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

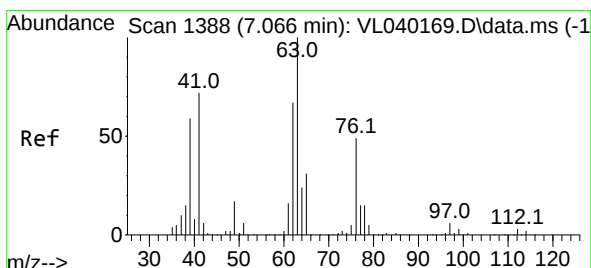
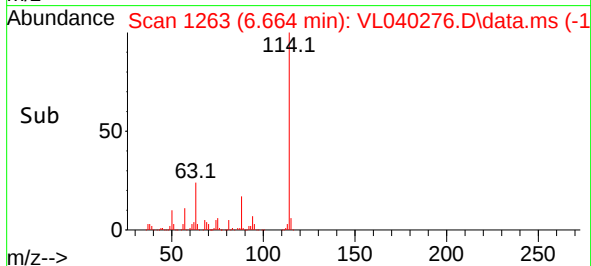
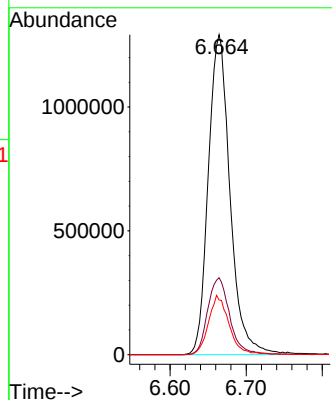
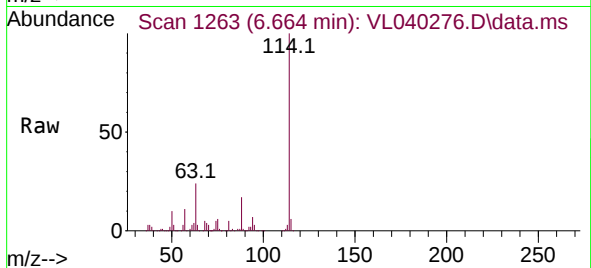
Tgt Ion:114 Resp: 2561919

Ion Ratio Lower Upper

114 100

63 24.6 20.4 30.6

88 17.7 14.3 21.5



#39

1,2-Dichloropropane

Concen: 8.028 ppbv

RT: 6.664 min Scan# 1263

Delta R.T. -0.408 min

Lab File: VL040276.D

Acq: 13 Mar 2023 22:24

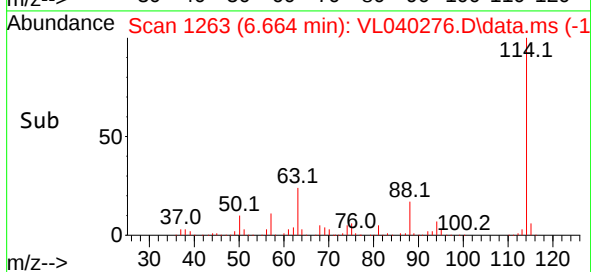
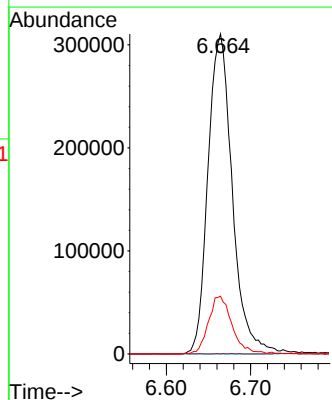
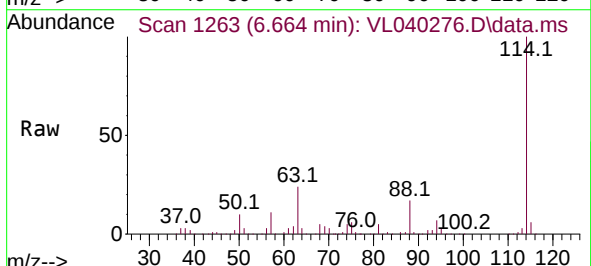
Tgt Ion: 63 Resp: 622645

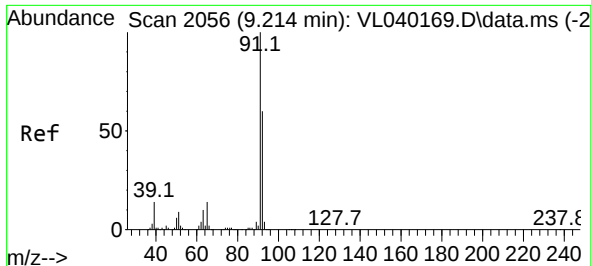
Ion Ratio Lower Upper

63 100

41 0.0 57.6 86.4#

62 18.0 54.0 81.0#

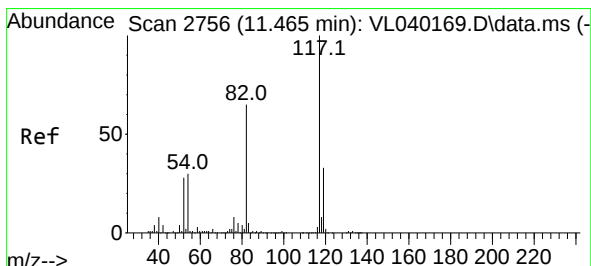
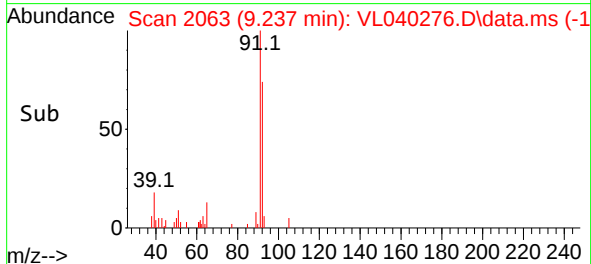
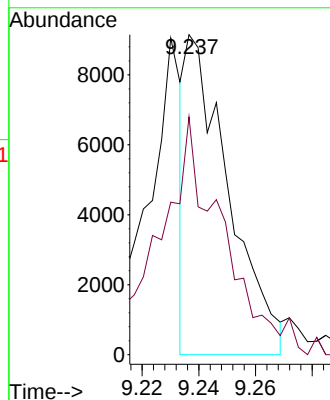
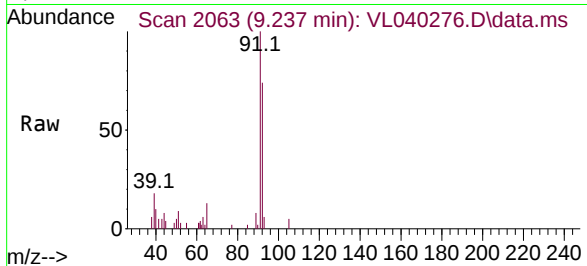




#53
Toluene
Concen: 0.045 ppbv
RT: 9.237 min Scan# 2056
Delta R.T. 0.013 min
Lab File: VL040276.D
Acq: 13 Mar 2023 22:24

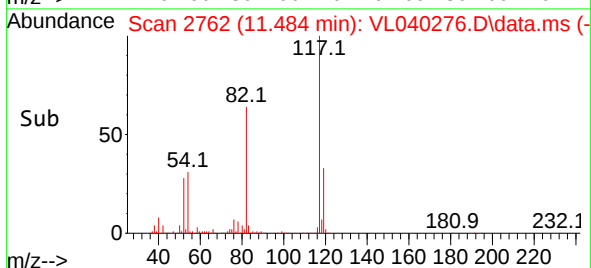
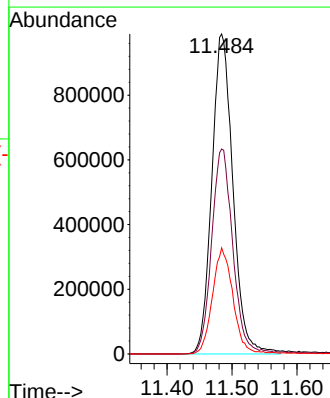
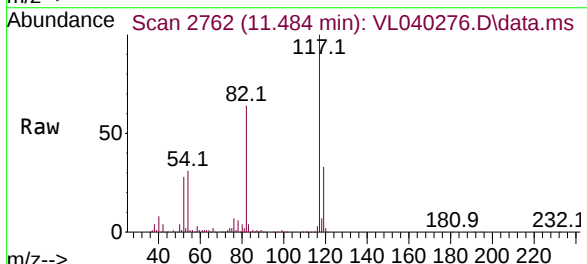
Instrument :
MSVOA_L
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SV1DL

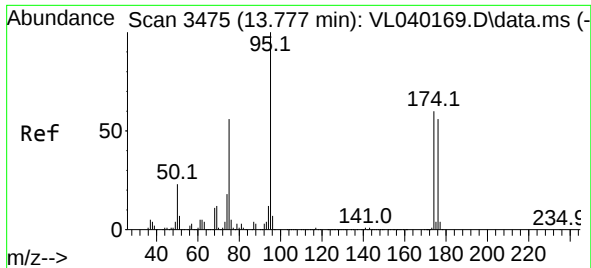
Tgt Ion: 91 Resp: 9594
Ion Ratio Lower Upper
91 100
92 112.0 48.9 73.3#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 2762
Delta R.T. 0.010 min
Lab File: VL040276.D
Acq: 13 Mar 2023 22:24

Tgt Ion: 117 Resp: 2230391
Ion Ratio Lower Upper
117 100
82 64.9 53.3 79.9
119 32.5 24.6 37.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.212 ppbv
 RT: 13.796 min Scan# 34
 Delta R.T. 0.013 min
 Lab File: VL040276.D
 Acq: 13 Mar 2023 22:24

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Tgt Ion: 95 Resp: 1689552
 Ion Ratio Lower Upper
 95 100
 174 61.9 48.2 72.2
 175 4.3 3.4 5.2

