

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041023\
 Data File : VL040332.D
 Acq On : 10 Apr 2023 19:33
 Operator : SY/MD
 Sample : 02213-13 LOD 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2023

Quant Time: Apr 11 02:08:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Mar 15 16:14:43 2023
 Response via : Initial Calibration

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

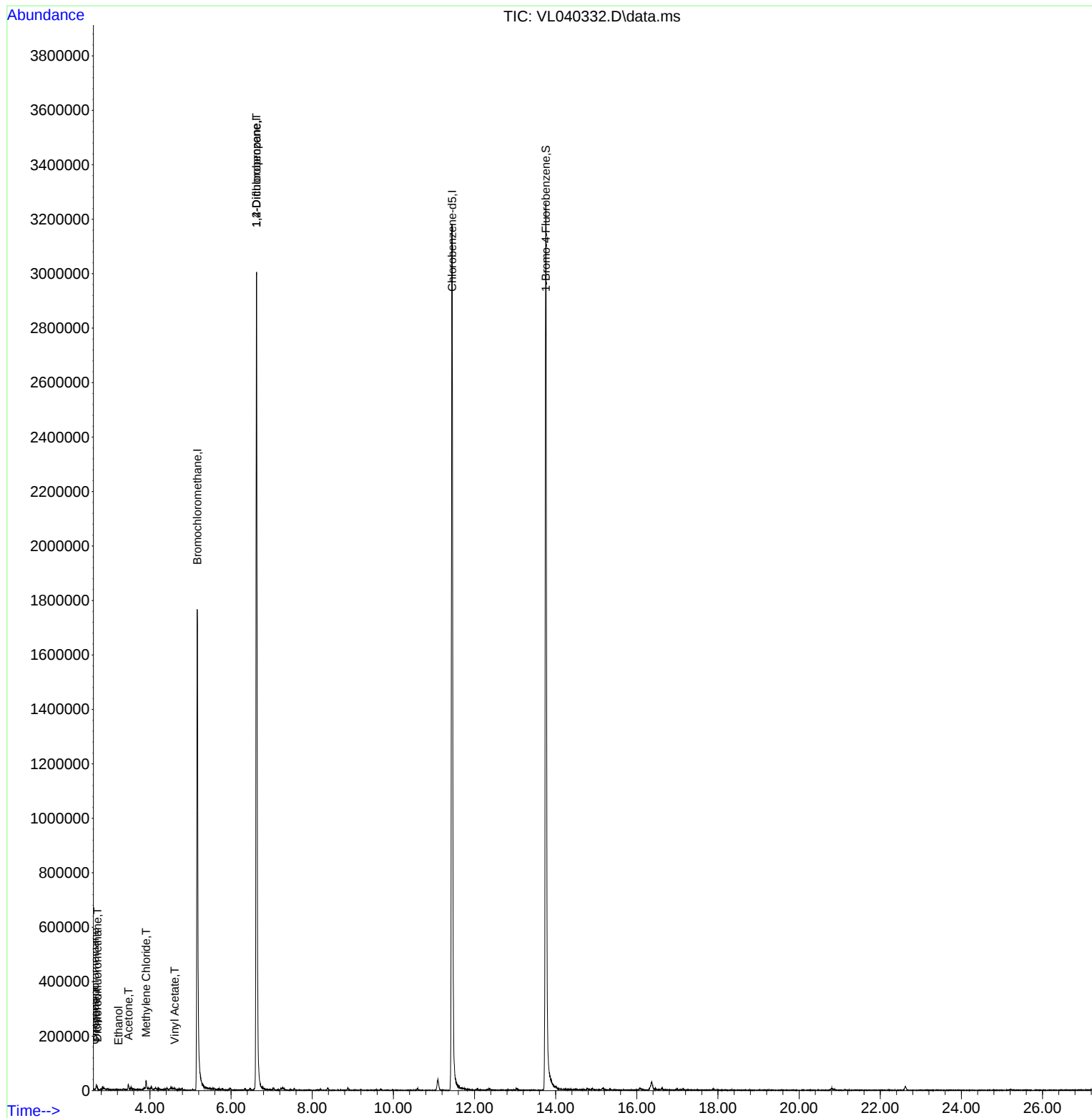
Internal Standards						
1) Bromochloromethane	5.166	49	868008	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.629	114	2122474	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.445	117	1946037	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1614944	9.910	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.703	85	5845	0.034	ppbv #	87
3) Chlorodifluoromethane	2.645	51	3799	0.035	ppbv	97
9) Propene	2.674	41	4203	0.101	ppbv	99
13) Ethanol	3.227	45	321	0.105	ppbv #	37
15) Acetone	3.468	43	17507	0.166	ppbv #	76
20) Methylene Chloride	3.906	84	7937	0.179	ppbv #	80
23) Vinyl Acetate	4.610	43	1892	0.064	ppbv #	77
39) 1,2-Dichloropropane	6.629	63	564350	8.893	ppbv #	24

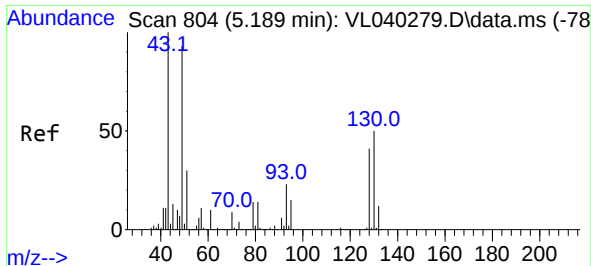
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 11 02:08:47 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Mar 15 16:14:43 2023
Response via : Initial Calibration

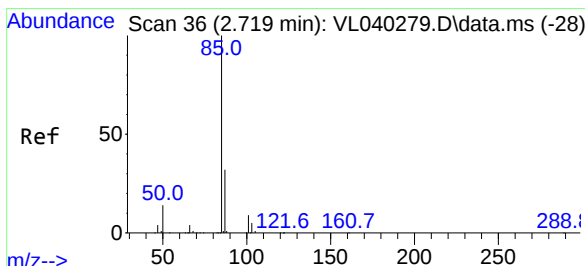
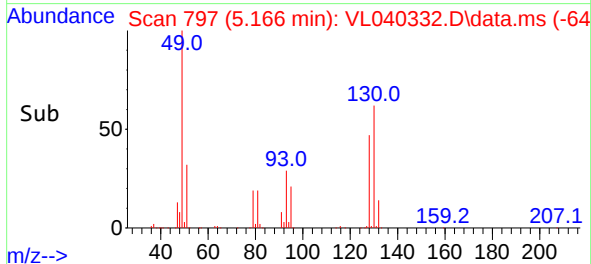
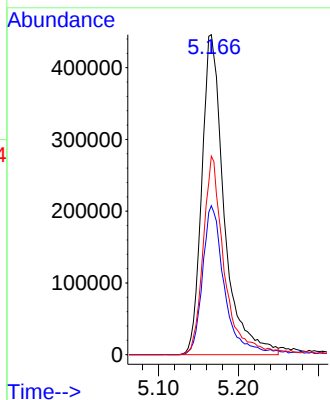
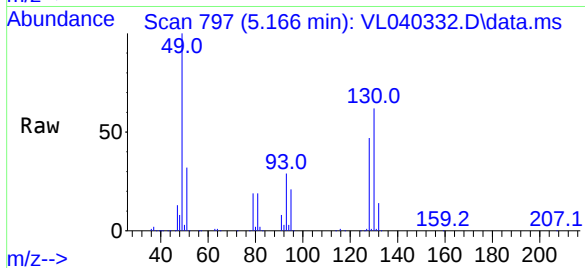




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.166 min Scan# 71
Delta R.T. -0.023 min
Lab File: VL040332.D
Acq: 10 Apr 2023 19:33

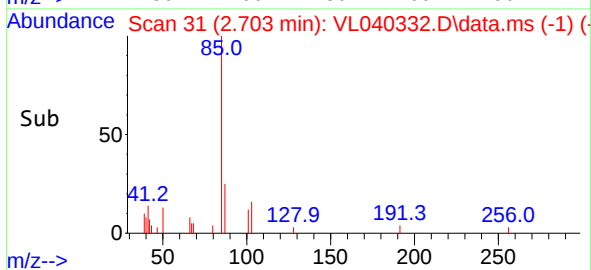
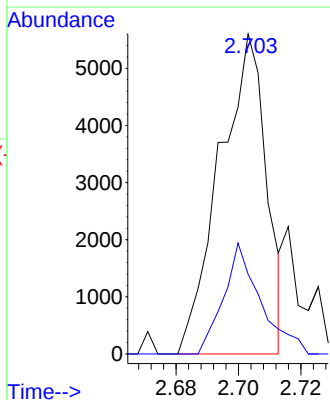
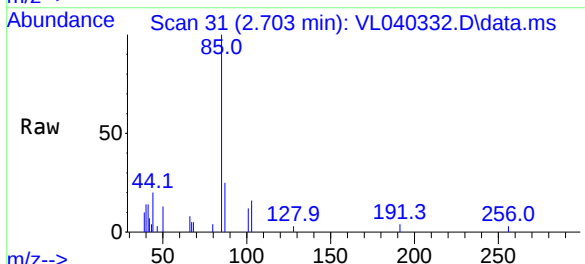
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT2-2023

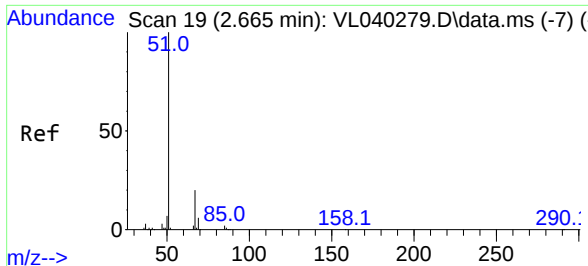
Tgt Ion: 49 Resp: 868008
Ion Ratio Lower Upper
49 100
128 47.2 22.4 67.3
130 59.8 28.7 86.1



#2
Dichlorodifluoromethane
Concen: 0.034 ppbv
RT: 2.703 min Scan# 31
Delta R.T. -0.016 min
Lab File: VL040332.D
Acq: 10 Apr 2023 19:33

Tgt Ion: 85 Resp: 5845
Ion Ratio Lower Upper
85 100
87 24.9 25.5 38.3#

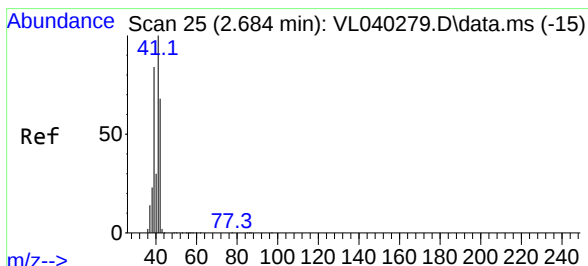
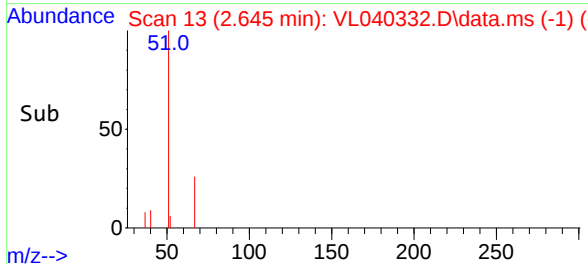
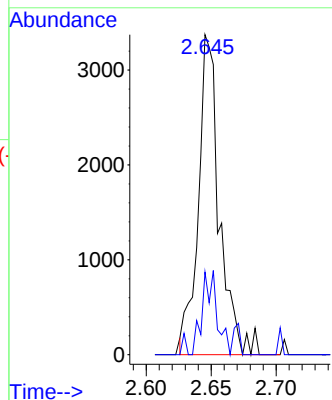
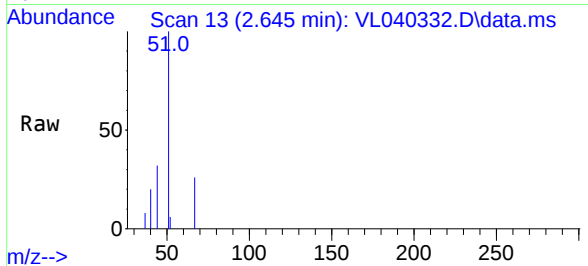




#3
Chlorodifluoromethane
Concen: 0.035 ppbv
RT: 2.645 min Scan# 11
Delta R.T. -0.020 min
Lab File: VL040332.D
Acq: 10 Apr 2023 19:33

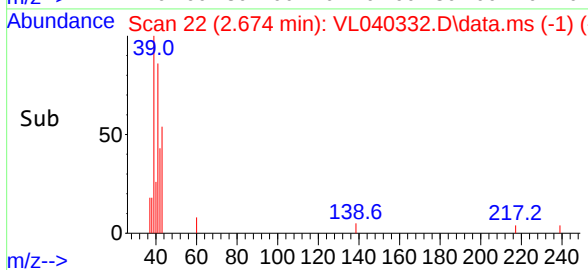
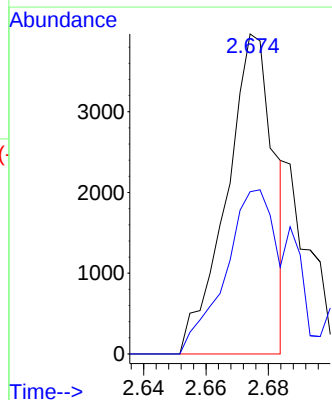
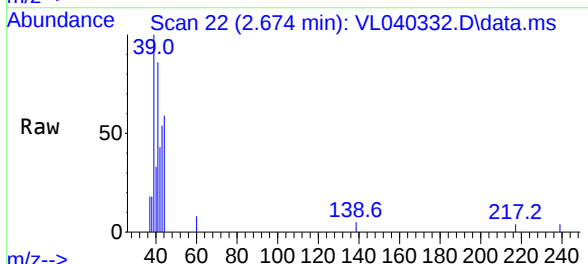
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2023

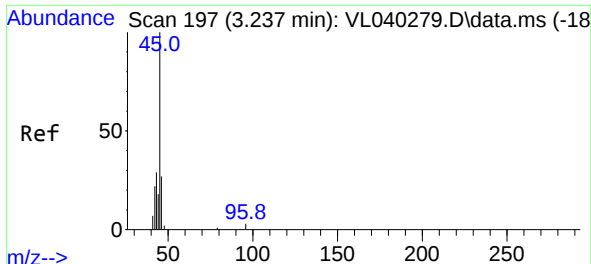
Tgt Ion: 51 Resp: 3799
Ion Ratio Lower Upper
51 100
67 21.6 16.0 24.0



#9
Propene
Concen: 0.101 ppbv
RT: 2.674 min Scan# 22
Delta R.T. -0.010 min
Lab File: VL040332.D
Acq: 10 Apr 2023 19:33

Tgt Ion: 41 Resp: 4203
Ion Ratio Lower Upper
41 100
42 74.9 59.0 88.4

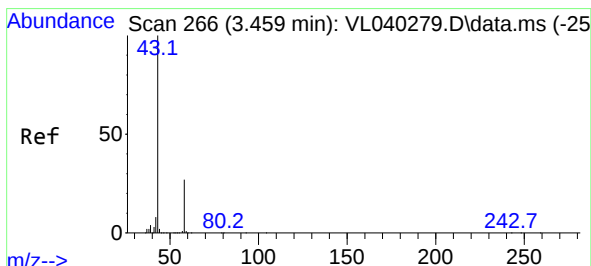
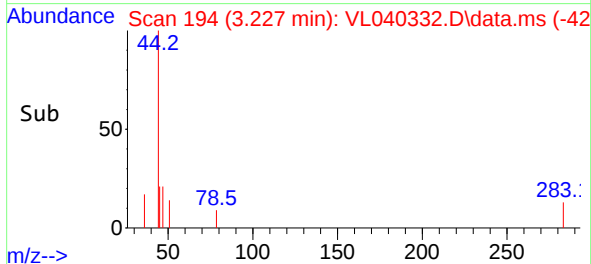
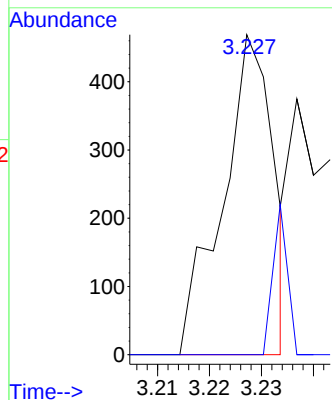
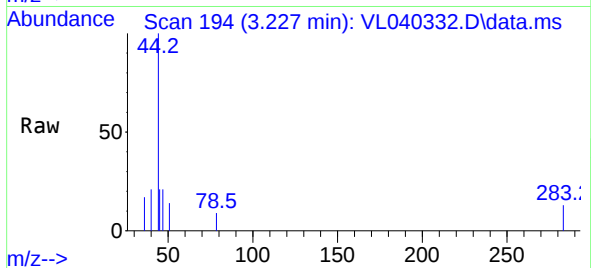




#13
Ethanol
Concen: 0.105 ppbv
RT: 3.227 min Scan# 194
Delta R.T. -0.010 min
Lab File: VL040332.D
Acq: 10 Apr 2023 19:33

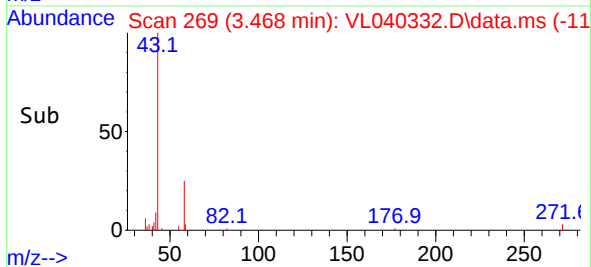
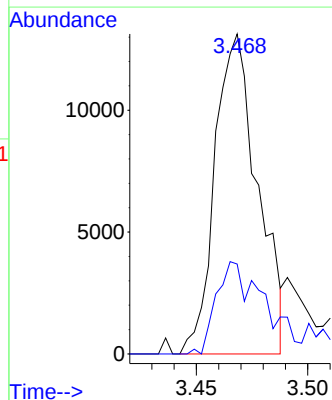
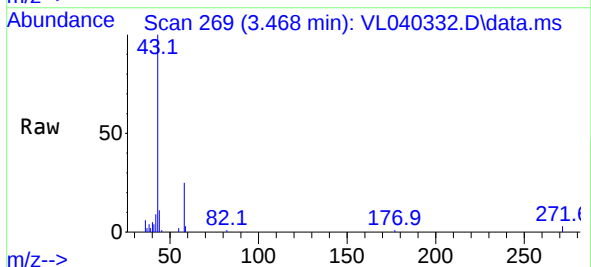
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT2-2023

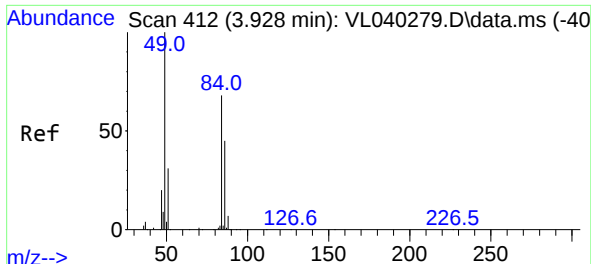
Tgt Ion: 45 Resp: 321
Ion Ratio Lower Upper
45 100
46 0.0 15.0 60.2#



#15
Acetone
Concen: 0.166 ppbv
RT: 3.468 min Scan# 269
Delta R.T. 0.009 min
Lab File: VL040332.D
Acq: 10 Apr 2023 19:33

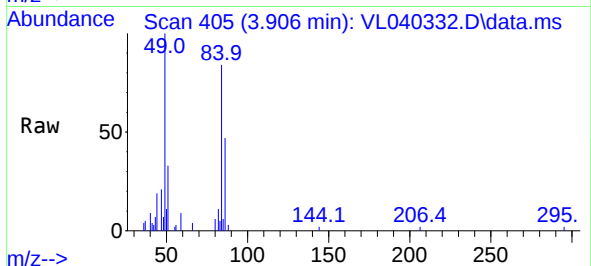
Tgt Ion: 43 Resp: 17507
Ion Ratio Lower Upper
43 100
58 39.9 21.8 32.8#





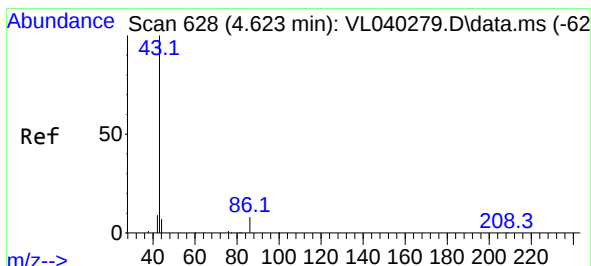
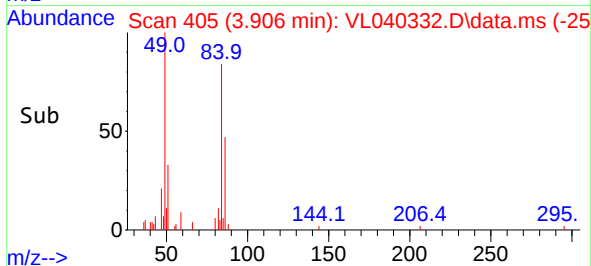
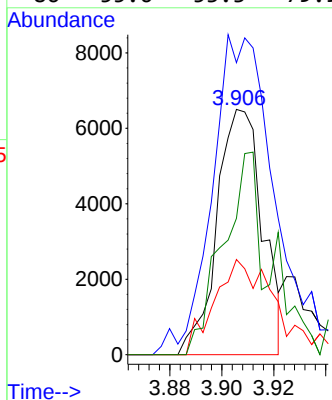
#20
Methylene Chloride
Concen: 0.179 ppbv
RT: 3.906 min Scan# 405
Delta R.T. -0.022 min
Lab File: VL040332.D
Acq: 10 Apr 2023 19:33

Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT2-2023



Tgt Ion: 84 Resp: 7937

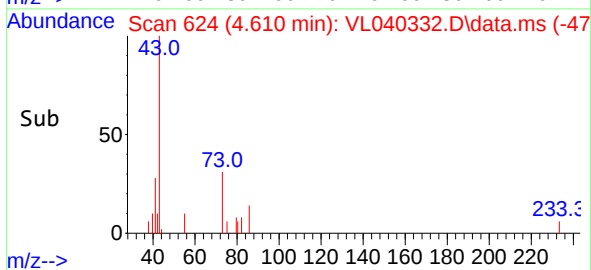
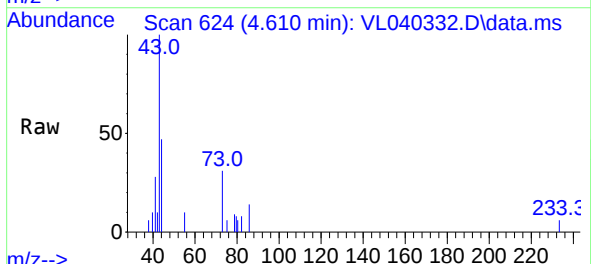
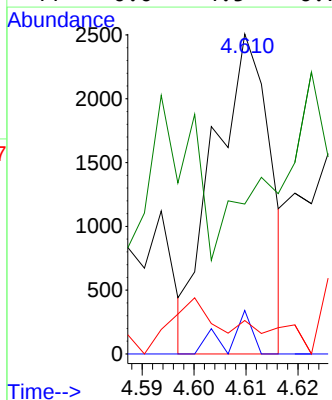
Ion	Ratio	Lower	Upper
84	100		
49	114.8	117.5	176.3#
51	38.8	36.9	55.3
86	55.6	53.3	79.9

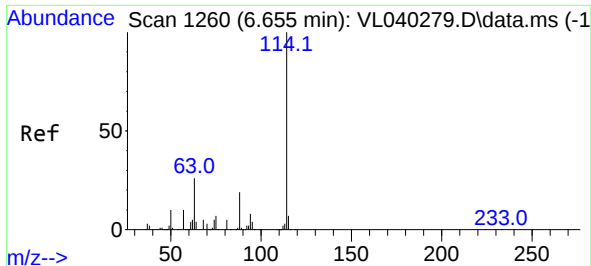


#23
Vinyl Acetate
Concen: 0.064 ppbv
RT: 4.610 min Scan# 624
Delta R.T. -0.013 min
Lab File: VL040332.D
Acq: 10 Apr 2023 19:33

Tgt Ion: 43 Resp: 1892

Ion	Ratio	Lower	Upper
43	100		
86	16.5	5.0	7.4#
42	2.7	9.1	13.7#
44	0.0	4.5	6.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.629 min Scan# 11

Delta R.T. -0.026 min

Lab File: VL040332.D

Acq: 10 Apr 2023 19:33

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2023

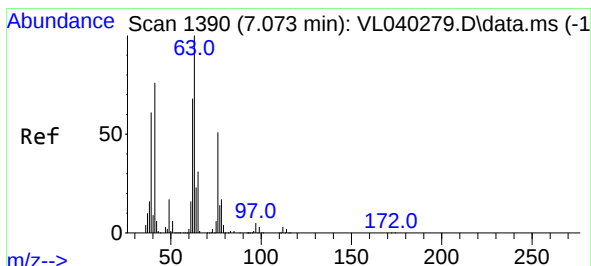
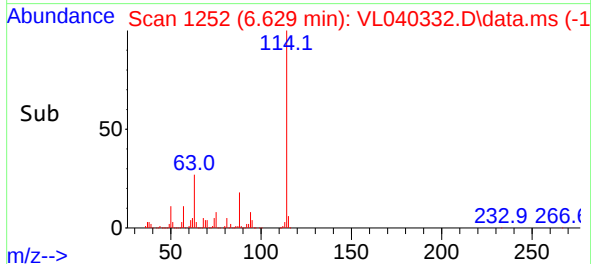
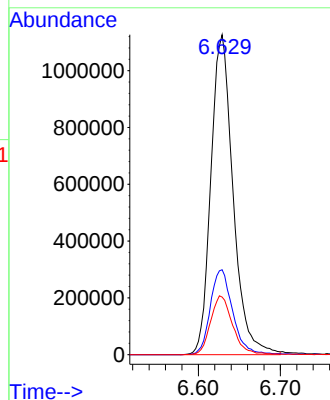
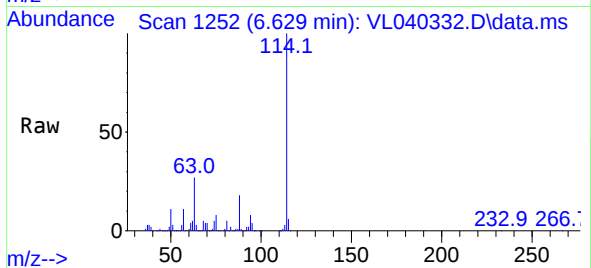
Tgt Ion:114 Resp: 2122474

Ion Ratio Lower Upper

114 100

63 27.2 21.2 31.8

88 18.4 14.5 21.7



#39

1,2-Dichloropropane

Concen: 8.893 ppbv

RT: 6.629 min Scan# 1252

Delta R.T. -0.444 min

Lab File: VL040332.D

Acq: 10 Apr 2023 19:33

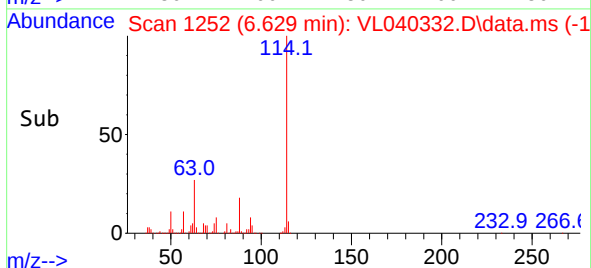
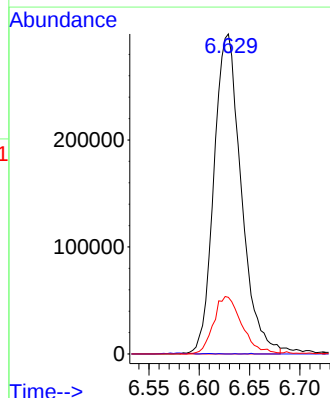
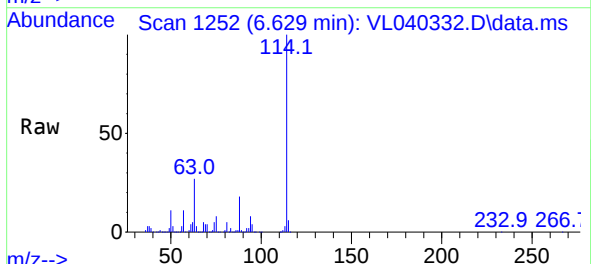
Tgt Ion: 63 Resp: 564350

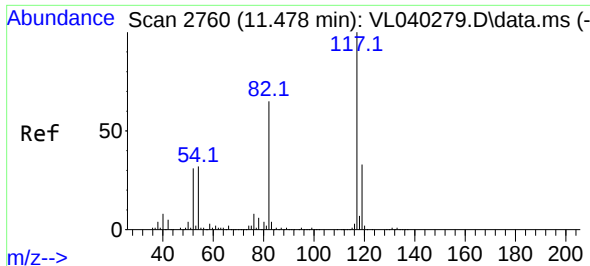
Ion Ratio Lower Upper

63 100

41 0.0 60.8 91.2#

62 17.6 54.1 81.1#

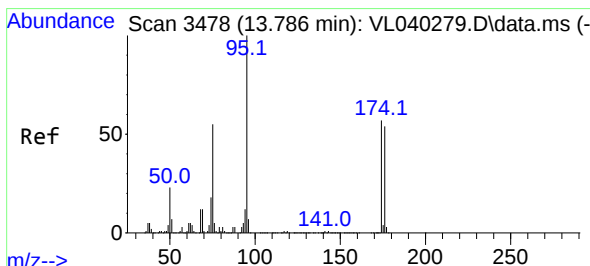
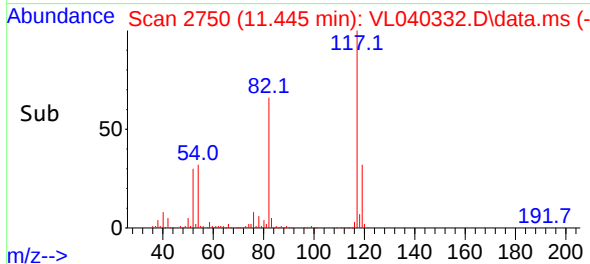
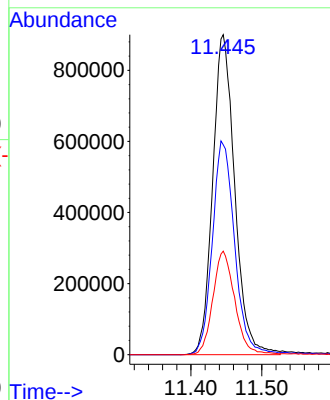
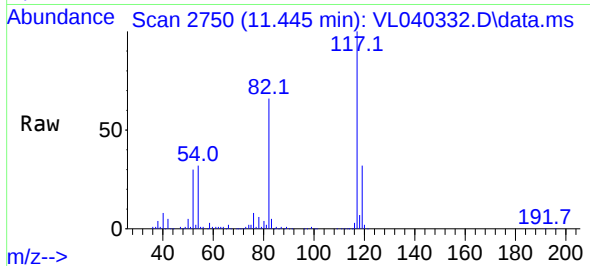




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.445 min Scan# 21
Delta R.T. -0.033 min
Lab File: VL040332.D
Acq: 10 Apr 2023 19:33

Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT2-2023

Tgt Ion:117 Resp: 1946037
Ion Ratio Lower Upper
117 100
82 68.2 51.4 77.2
119 32.4 24.0 36.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.910 ppbv
RT: 13.757 min Scan# 3469
Delta R.T. -0.029 min
Lab File: VL040332.D
Acq: 10 Apr 2023 19:33

Tgt Ion: 95 Resp: 1614944
Ion Ratio Lower Upper
95 100
174 59.6 47.0 70.6
175 4.2 3.4 5.2

