

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111022\
 Data File : VL039875.D
 Acq On : 10 Nov 2022 22:32
 Operator : SY/AP
 Sample : N5584-04DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 11 05:03:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Nov 03 09:27:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	979849	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2084248	10.000	ppbv	# 0.00
55) Chlorobenzene-d5	11.455	117	1819433	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1530580	11.239	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	112.400%

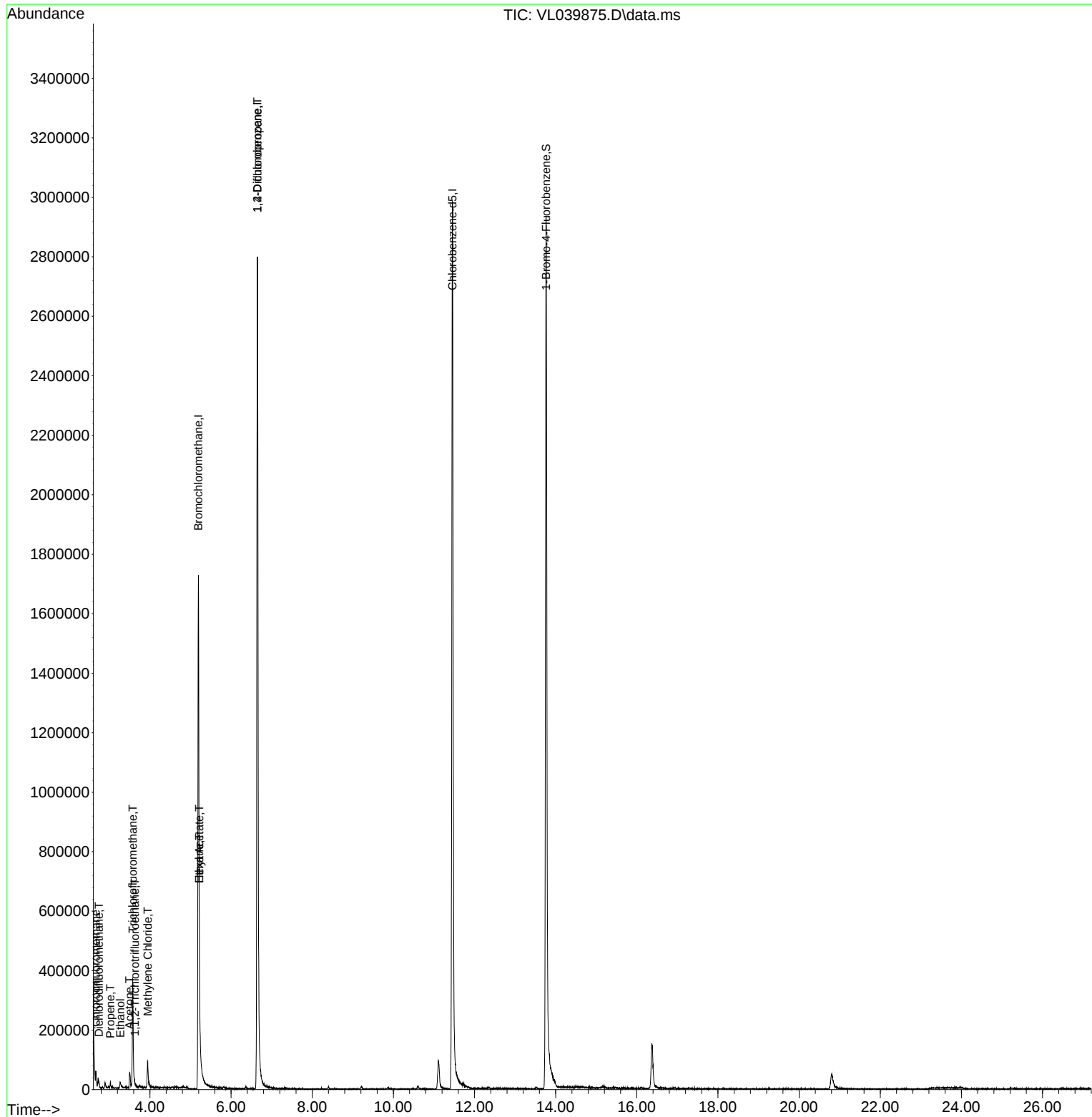
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.745	85	9327	0.056	ppbv	90
3) Chlorodifluoromethane	2.668	51	31196	0.267	ppbv #	67
9) Propene	3.025	41	3660	0.060	ppbv	89
11) Trichlorofluoromethane	3.575	101	252661	1.873	ppbv	94
12) 1,1,2-Trichlorotrifluo...	3.626	101	5843	0.060	ppbv #	15
13) Ethanol	3.272	45	15052	3.499	ppbv	72
15) Acetone	3.497	43	33977	0.285	ppbv	96
20) Methylene Chloride	3.948	84	31403	0.736	ppbv #	80
25) Ethyl Acetate	5.218	43	12330	0.050	ppbv #	76
26) Hexane	5.218	57	8687	0.079	ppbv #	34
39) 1,2-Dichloropropane	6.648	63	614756	8.974	ppbv #	28

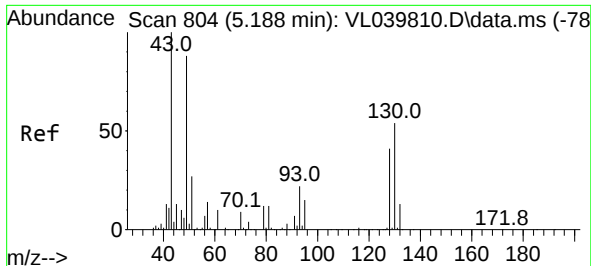
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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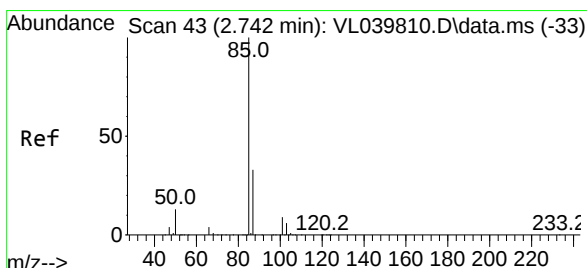
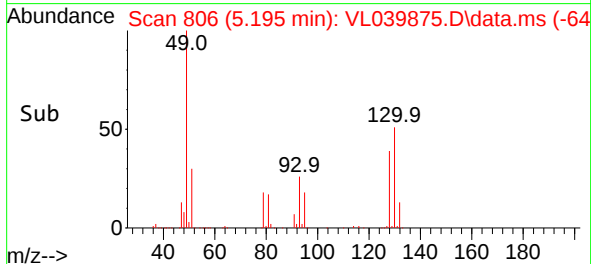
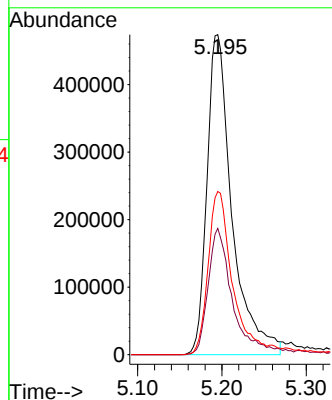
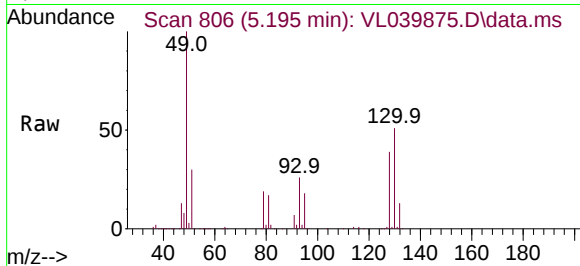




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.007 min
Lab File: VL039875.D
Acq: 10 Nov 2022 22:32

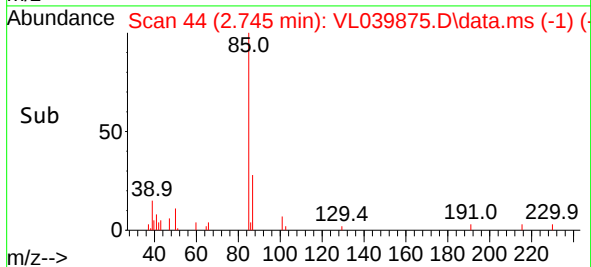
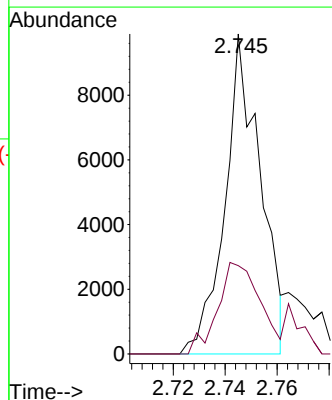
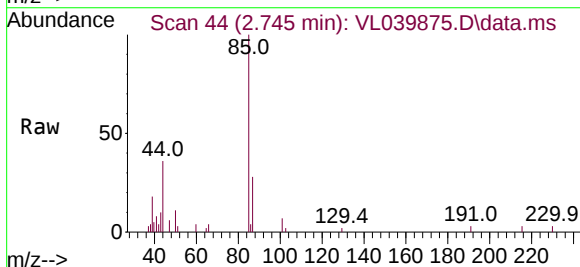
Instrument :
MSVOA_L
ClientSampleId :

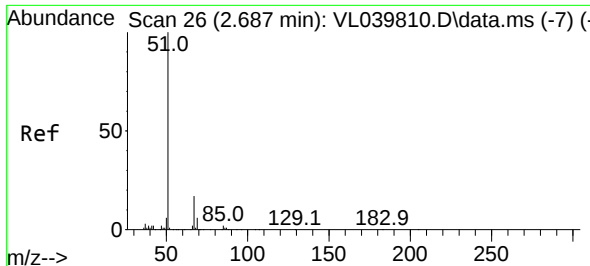
Tgt Ion: 49 Resp: 979849
Ion Ratio Lower Upper
49 100
128 40.3 24.6 73.6
130 52.5 31.1 93.2



#2
Dichlorodifluoromethane
Concen: 0.056 ppbv
RT: 2.745 min Scan# 44
Delta R.T. 0.003 min
Lab File: VL039875.D
Acq: 10 Nov 2022 22:32

Tgt Ion: 85 Resp: 9327
Ion Ratio Lower Upper
85 100
87 27.6 26.4 39.6

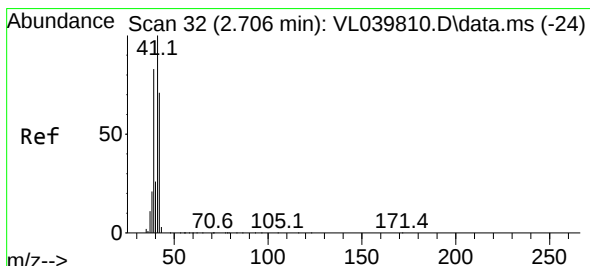
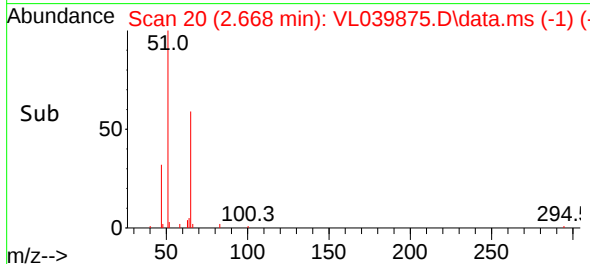
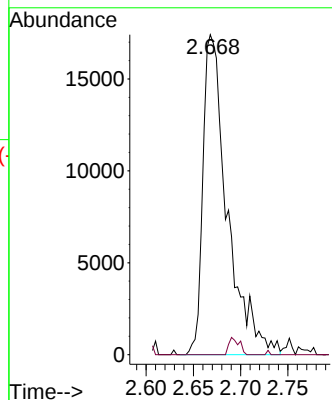
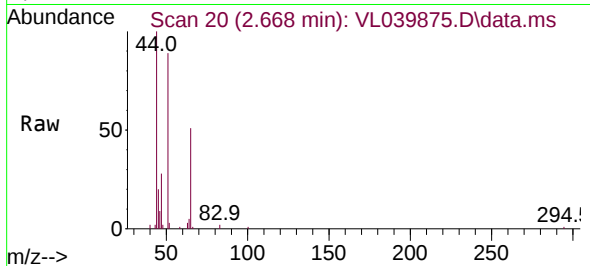




#3
Chlorodifluoromethane
Concen: 0.267 ppbv
RT: 2.668 min Scan# 20
Delta R.T. -0.019 min
Lab File: VL039875.D
Acq: 10 Nov 2022 22:32

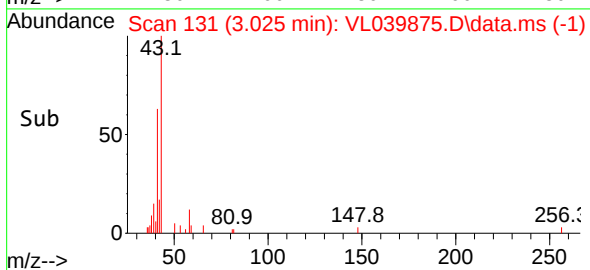
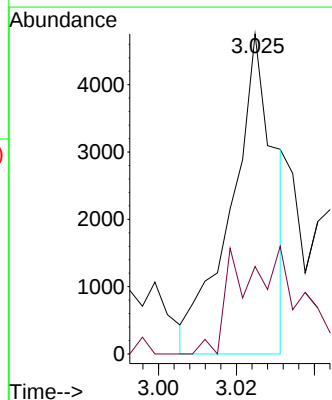
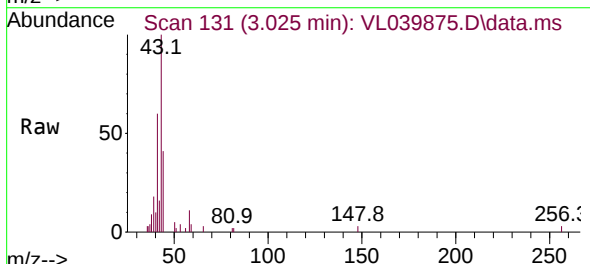
Instrument :
MSVOA_L
ClientSampleId :

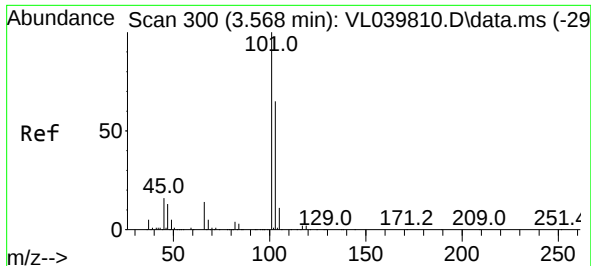
Tgt Ion: 51 Resp: 31196
Ion Ratio Lower Upper
51 100
67 2.3 13.2 19.8#



#9
Propene
Concen: 0.060 ppbv
RT: 3.025 min Scan# 131
Delta R.T. 0.319 min
Lab File: VL039875.D
Acq: 10 Nov 2022 22:32

Tgt Ion: 41 Resp: 3660
Ion Ratio Lower Upper
41 100
42 61.5 56.3 84.5

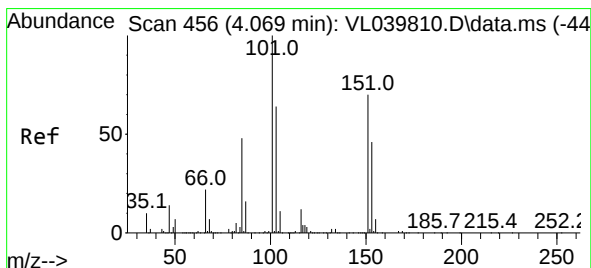
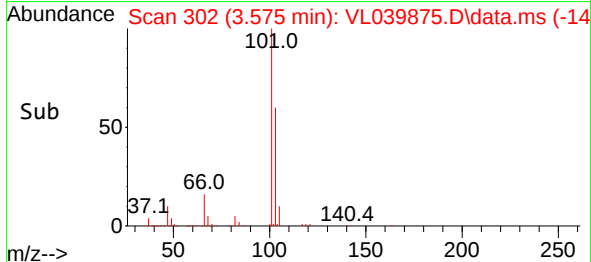
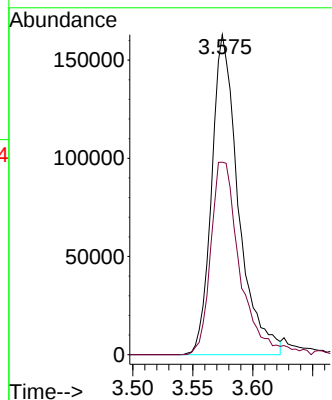
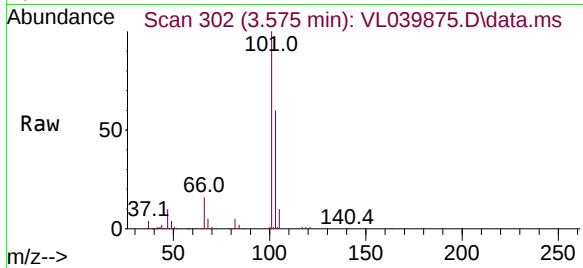




#11
 Trichlorofluoromethane
 Concen: 1.873 ppbv
 RT: 3.575 min Scan# 30
 Delta R.T. 0.007 min
 Lab File: VL039875.D
 Acq: 10 Nov 2022 22:32

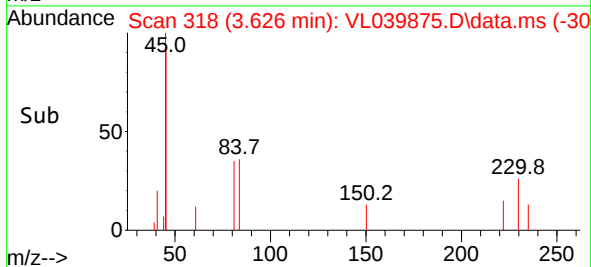
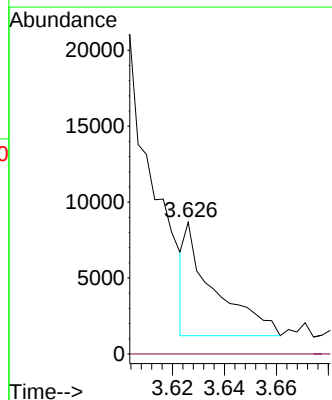
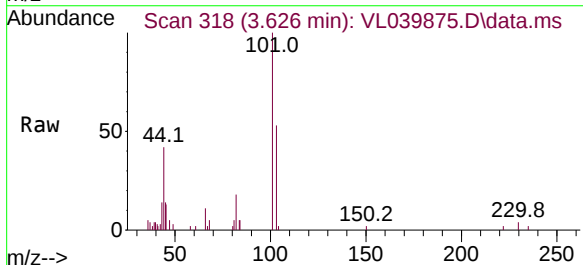
Instrument :
 MSVOA_L
 ClientSampleId :

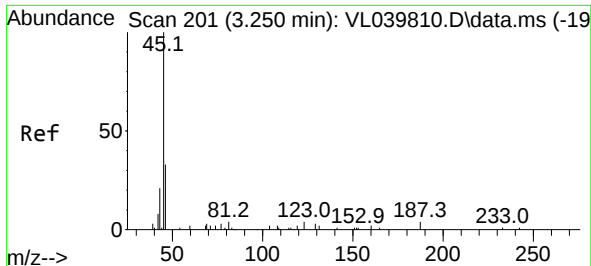
Tgt Ion:101 Resp: 252661
 Ion Ratio Lower Upper
 101 100
 103 60.1 52.2 78.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.060 ppbv
 RT: 3.626 min Scan# 318
 Delta R.T. -0.443 min
 Lab File: VL039875.D
 Acq: 10 Nov 2022 22:32

Tgt Ion:101 Resp: 5843
 Ion Ratio Lower Upper
 101 100
 151 1.4 57.2 85.8#

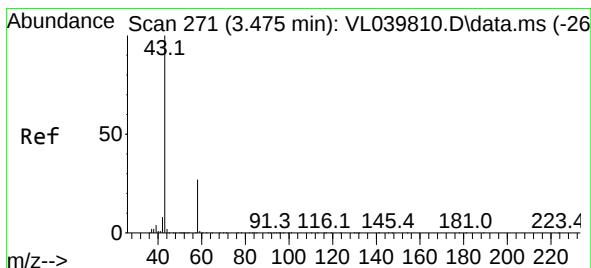
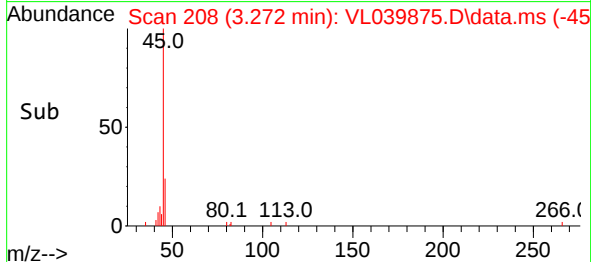
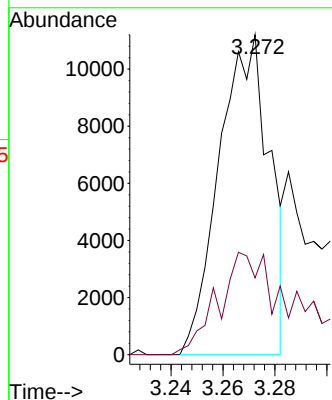
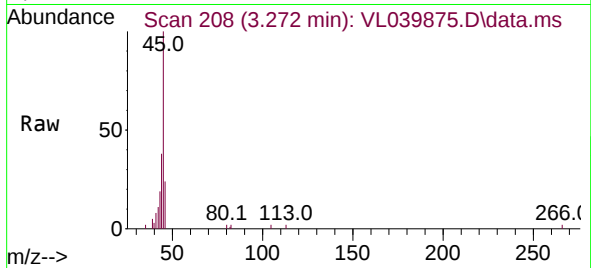




#13
Ethanol
Concen: 3.499 ppbv
RT: 3.272 min Scan# 201
Delta R.T. 0.023 min
Lab File: VL039875.D
Acq: 10 Nov 2022 22:32

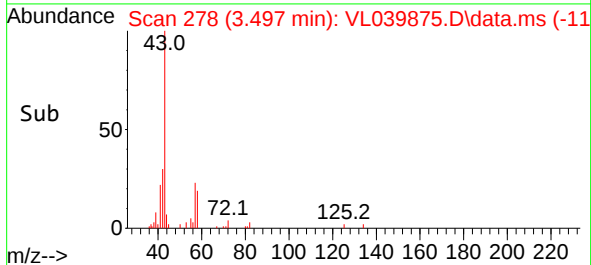
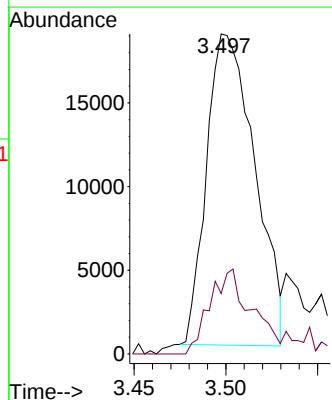
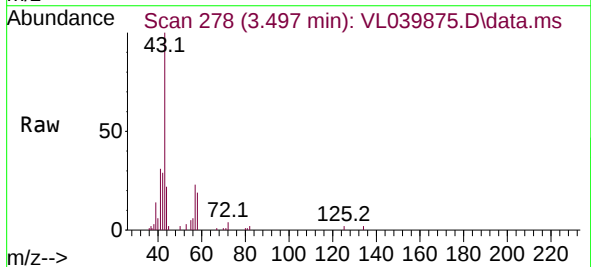
Instrument :
MSVOA_L
ClientSampleId :

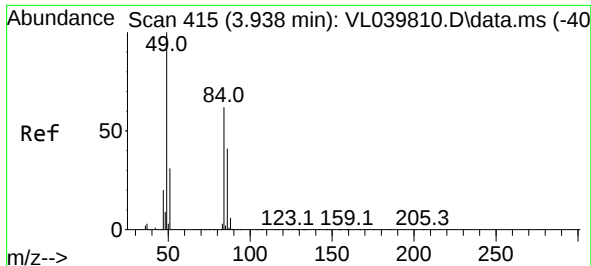
Tgt Ion: 45 Resp: 15052
Ion Ratio Lower Upper
45 100
46 58.7 16.5 65.9



#15
Acetone
Concen: 0.285 ppbv
RT: 3.497 min Scan# 278
Delta R.T. 0.023 min
Lab File: VL039875.D
Acq: 10 Nov 2022 22:32

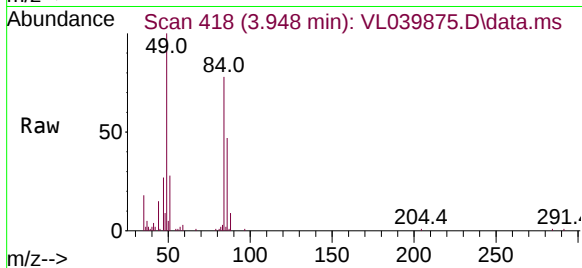
Tgt Ion: 43 Resp: 33977
Ion Ratio Lower Upper
43 100
58 26.6 23.2 34.8





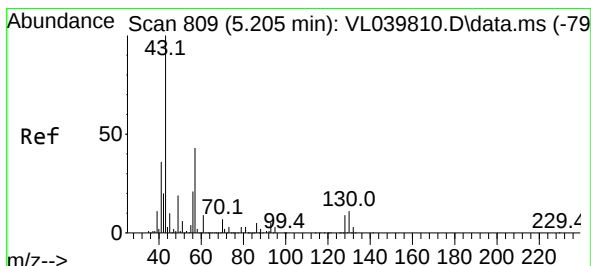
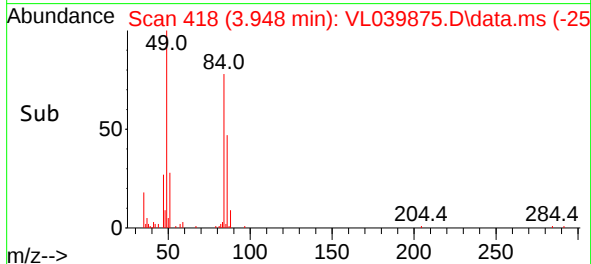
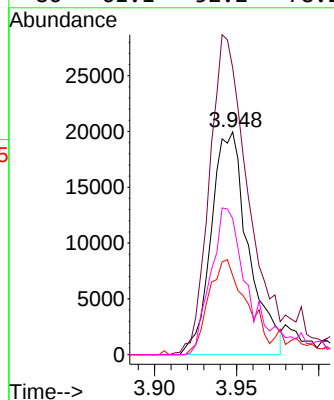
#20
Methylene Chloride
Concen: 0.736 ppbv
RT: 3.948 min Scan# 415
Delta R.T. 0.010 min
Lab File: VL039875.D
Acq: 10 Nov 2022 22:32

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 84 Resp: 31403

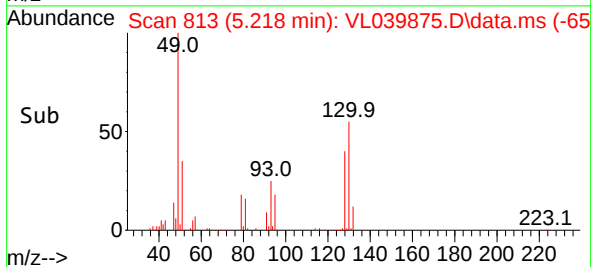
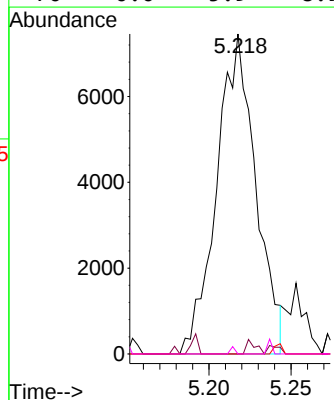
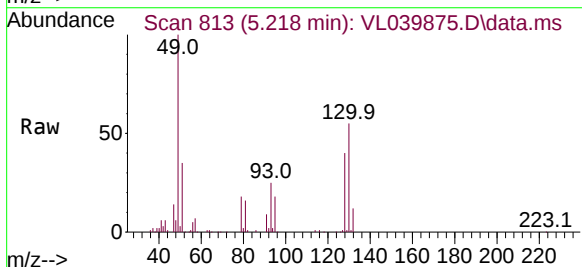
Ion	Ratio	Lower	Upper
84	100		
49	127.7	128.6	192.8#
51	35.6	40.2	60.4#
86	61.1	52.2	78.2

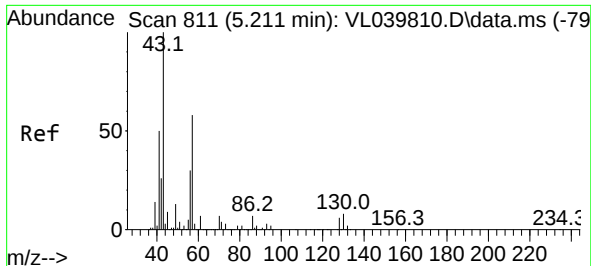


#25
Ethyl Acetate
Concen: 0.050 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.013 min
Lab File: VL039875.D
Acq: 10 Nov 2022 22:32

Tgt Ion: 43 Resp: 12330

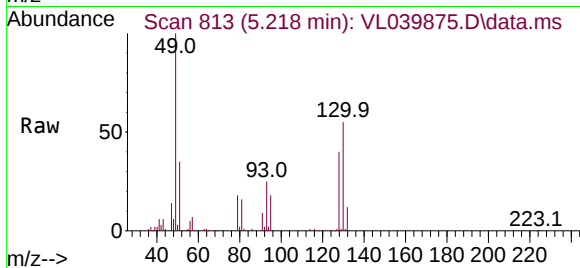
Ion	Ratio	Lower	Upper
43	100		
45	1.9	8.2	12.2#
61	0.0	8.1	12.1#
70	0.0	5.9	8.9#



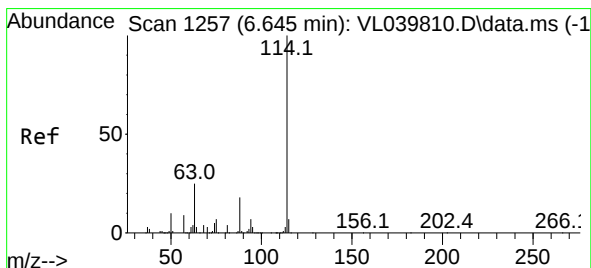
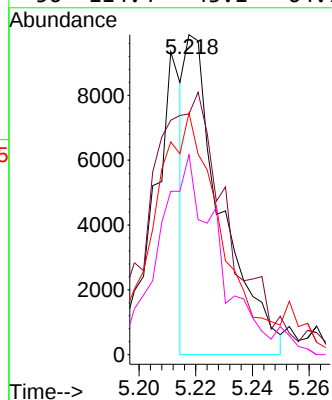
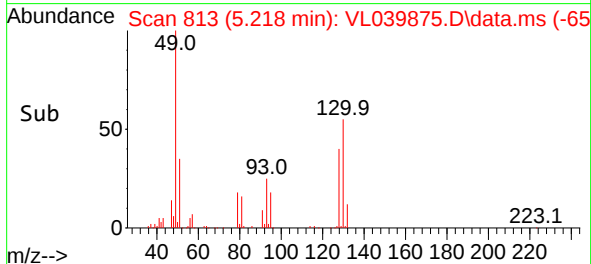


#26
Hexane
Concen: 0.079 ppbv
RT: 5.218 min Scan# 811
Delta R.T. 0.007 min
Lab File: VL039875.D
Acq: 10 Nov 2022 22:32

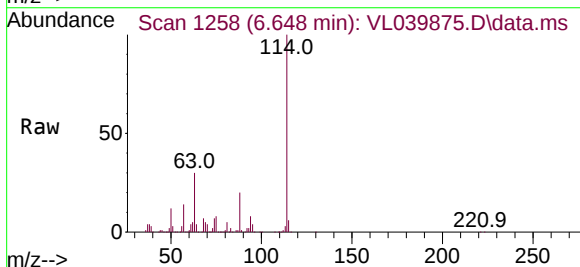
Instrument :
MSVOA_L
ClientSampleId :



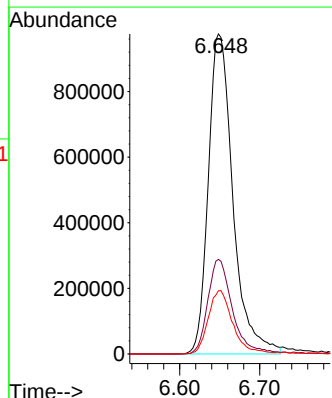
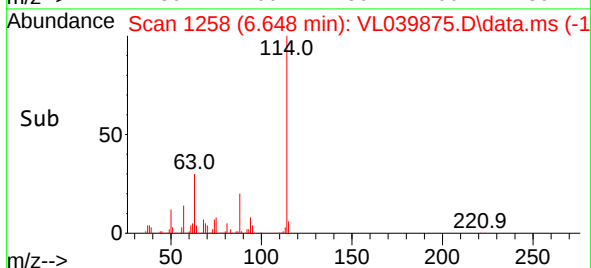
Tgt Ion: 57 Resp: 8687
Ion Ratio Lower Upper
57 100
41 190.4 73.7 110.5#
43 156.7 189.8 284.8#
56 114.4 43.1 64.7#

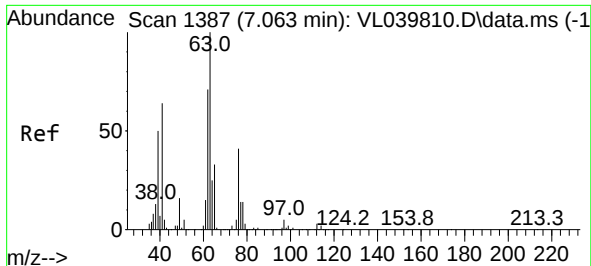


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. 0.003 min
Lab File: VL039875.D
Acq: 10 Nov 2022 22:32



Tgt Ion: 114 Resp: 2084248
Ion Ratio Lower Upper
114 100
63 30.3 19.8 29.6#
88 20.2 14.4 21.6





#39

1,2-Dichloropropane

Concen: 8.974 ppbv

RT: 6.648 min Scan# 1

Delta R.T. -0.415 min

Lab File: VL039875.D

Acq: 10 Nov 2022 22:32

Instrument :

MSVOA_L

ClientSampleId :

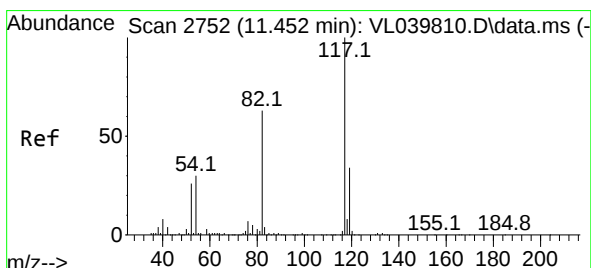
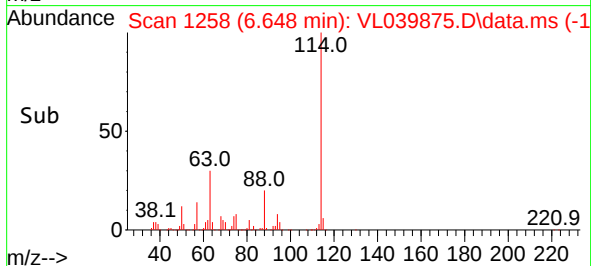
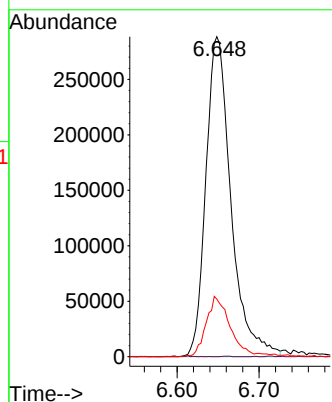
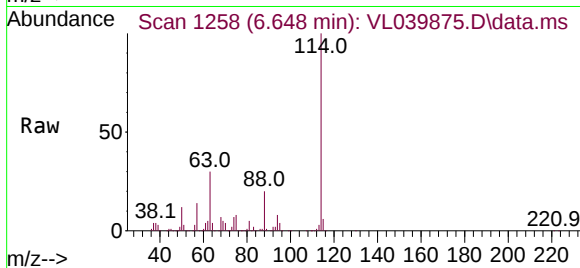
Tgt Ion: 63 Resp: 614756

Ion Ratio Lower Upper

63 100

41 0.0 51.0 76.4#

62 17.9 56.6 85.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.455 min Scan# 2753

Delta R.T. 0.003 min

Lab File: VL039875.D

Acq: 10 Nov 2022 22:32

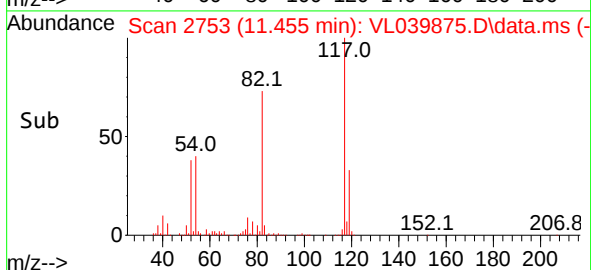
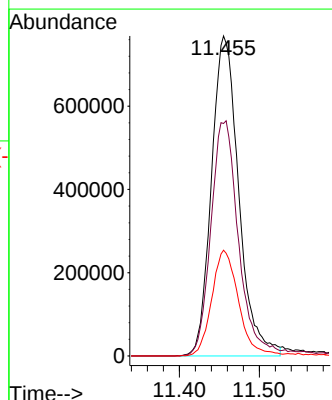
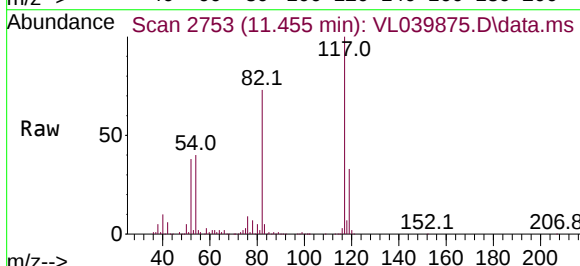
Tgt Ion: 117 Resp: 1819433

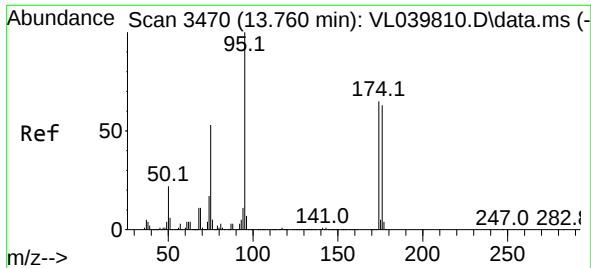
Ion Ratio Lower Upper

117 100

82 77.4 51.0 76.6#

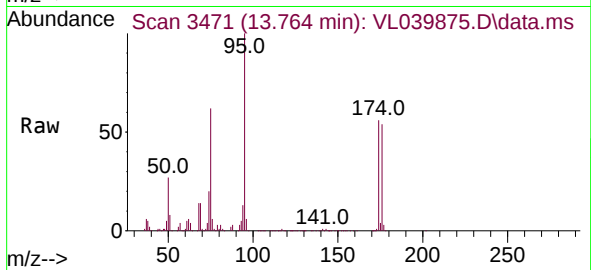
119 32.9 24.7 37.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.239 ppbv
 RT: 13.764 min Scan# 3470
 Delta R.T. 0.003 min
 Lab File: VL039875.D
 Acq: 10 Nov 2022 22:32

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 95 Resp: 1530580

Ion	Ratio	Lower	Upper
95	100		
174	58.2	53.4	80.0
175	4.3	4.1	6.1

