

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040035.D
 Acq On : 19 Dec 2022 19:31
 Operator : SY/MD
 Sample : N6059-03DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Quant Time: Dec 20 05:15:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Dec 20 04:50:21 2022
 Response via : Initial Calibration

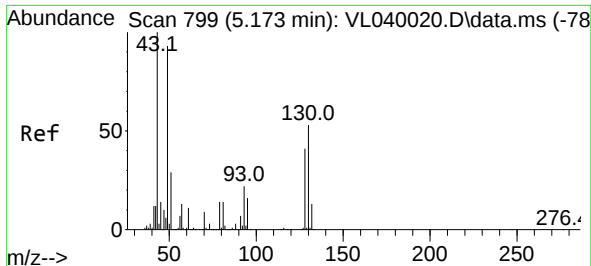
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.169	49	994821	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.629	114	2845380	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.446	117	2415819	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1858304	10.070	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.700%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.710	85	18199	0.098	ppbv	93
3) Chlorodifluoromethane	2.652	51	10186	0.069	ppbv	95
4) Chloromethane	2.793	50	9145	0.099	ppbv #	81
9) Propene	2.684	41	10414	0.167	ppbv #	82
11) Trichlorofluoromethane	3.536	101	9559	0.047	ppbv	98
13) Ethanol	3.231	45	24187	4.126	ppbv	68
15) Acetone	3.462	43	69000	0.448	ppbv	94
19) Isopropyl Alcohol	3.571	45	79028	1.042	ppbv #	93
20) Methylene Chloride	3.912	84	100139	1.531	ppbv	95
25) Ethyl Acetate	5.189	43	22048	0.083	ppbv #	84
26) Hexane	5.192	57	41938	0.374	ppbv #	40
39) 1,2-Dichloropropane	6.629	63	691821	7.263	ppbv #	23

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

Quant Time: Dec 20 05:15:02 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Dec 20 04:50:21 2022
Response via : Initial Calibration

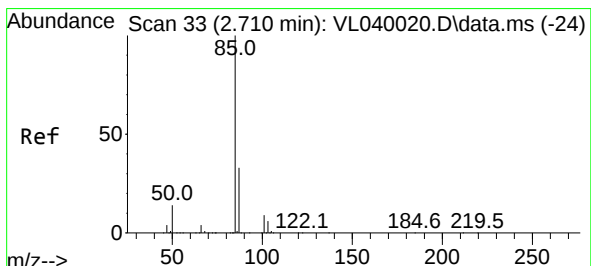
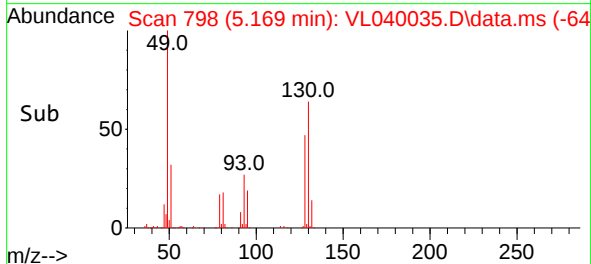
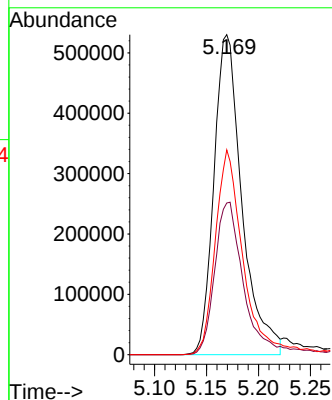
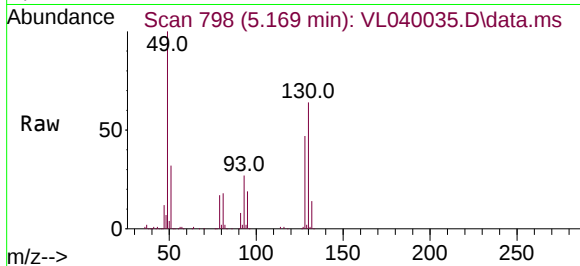




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.169 min Scan# 799
Delta R.T. -0.004 min
Lab File: VL040035.D
Acq: 19 Dec 2022 19:31

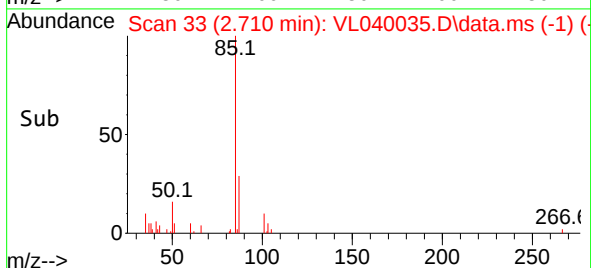
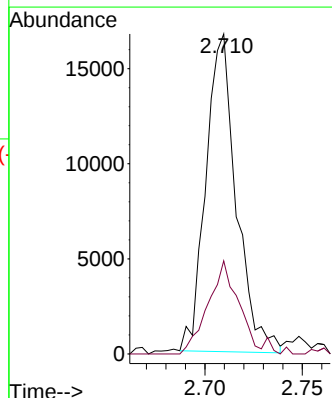
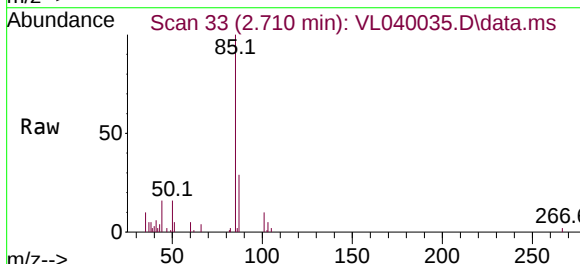
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

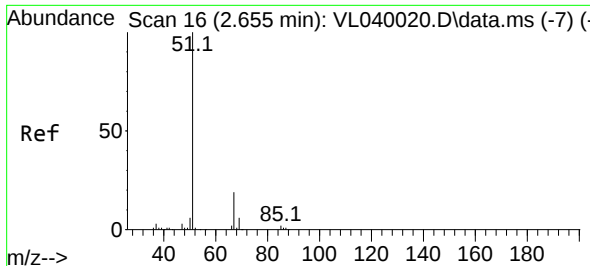
Tgt Ion: 49 Resp: 994821
Ion Ratio Lower Upper
49 100
128 50.3 22.4 67.3
130 66.7 28.9 86.8



#2
Dichlorodifluoromethane
Concen: 0.098 ppbv
RT: 2.710 min Scan# 33
Delta R.T. 0.000 min
Lab File: VL040035.D
Acq: 19 Dec 2022 19:31

Tgt Ion: 85 Resp: 18199
Ion Ratio Lower Upper
85 100
87 29.4 26.6 40.0

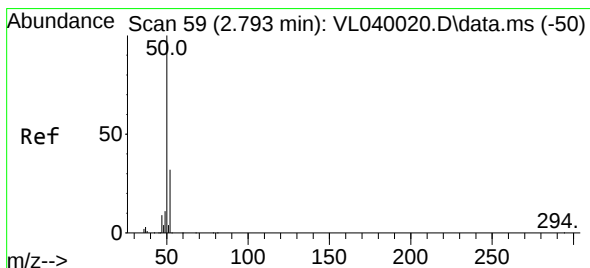
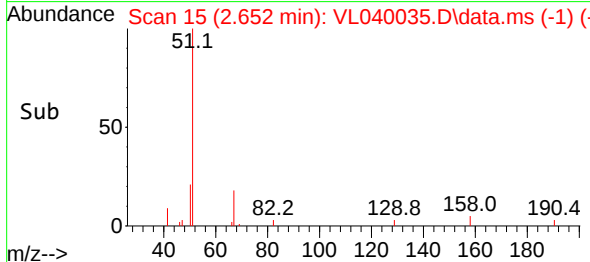
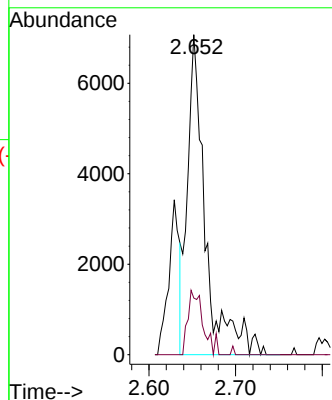
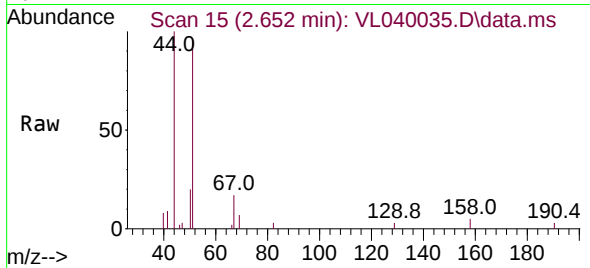




#3
Chlorodifluoromethane
Concen: 0.069 ppbv
RT: 2.652 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040035.D
Acq: 19 Dec 2022 19:31

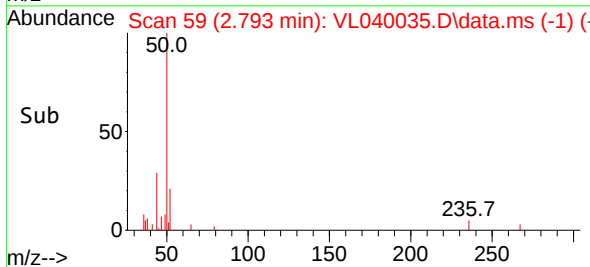
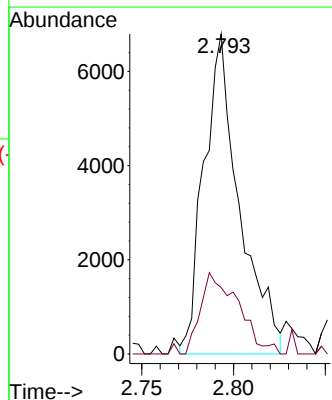
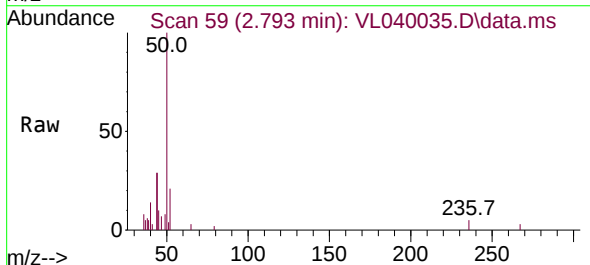
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

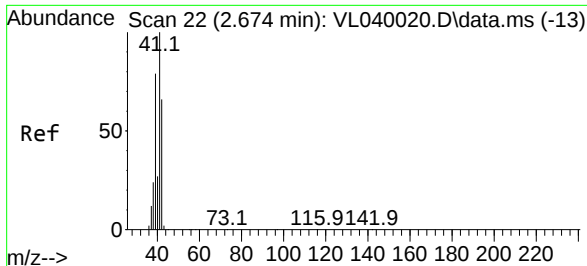
Tgt Ion: 51 Resp: 10186
Ion Ratio Lower Upper
51 100
67 17.0 15.3 22.9



#4
Chloromethane
Concen: 0.099 ppbv
RT: 2.793 min Scan# 59
Delta R.T. 0.000 min
Lab File: VL040035.D
Acq: 19 Dec 2022 19:31

Tgt Ion: 50 Resp: 9145
Ion Ratio Lower Upper
50 100
52 21.3 25.5 38.3#

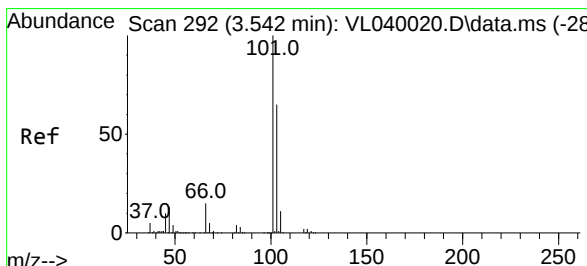
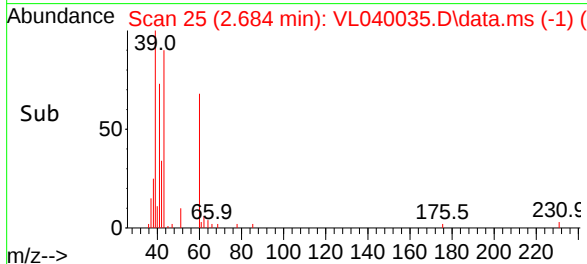
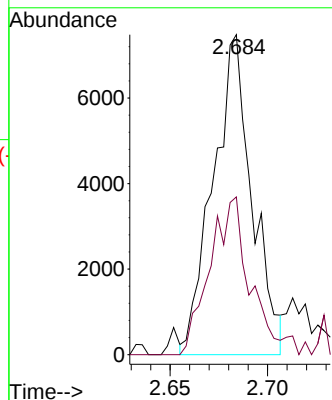
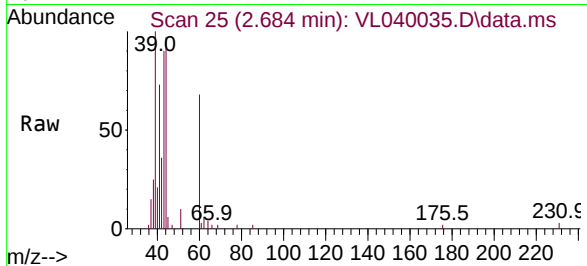




#9
 Propene
 Concen: 0.167 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. 0.010 min
 Lab File: VL040035.D
 Acq: 19 Dec 2022 19:31

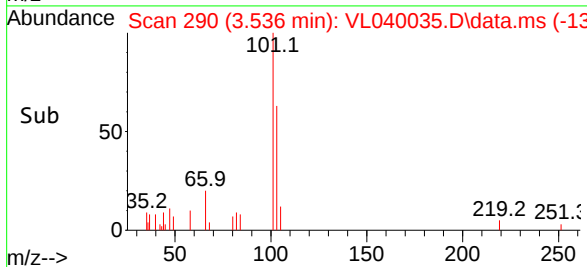
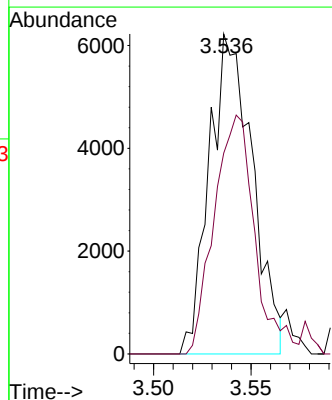
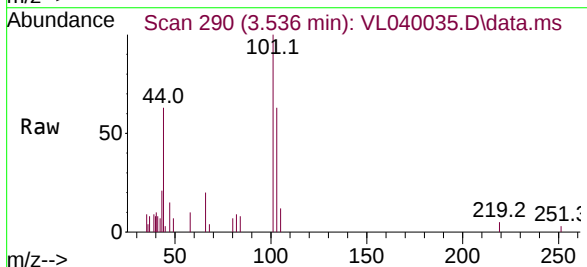
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

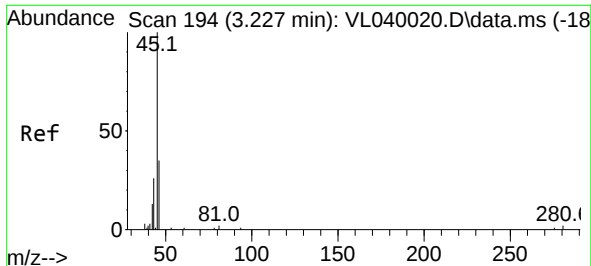
Tgt Ion: 41 Resp: 10414
 Ion Ratio Lower Upper
 41 100
 42 53.9 54.8 82.2#



#11
 Trichlorofluoromethane
 Concen: 0.047 ppbv
 RT: 3.536 min Scan# 290
 Delta R.T. -0.006 min
 Lab File: VL040035.D
 Acq: 19 Dec 2022 19:31

Tgt Ion: 101 Resp: 9559
 Ion Ratio Lower Upper
 101 100
 103 62.8 51.7 77.5

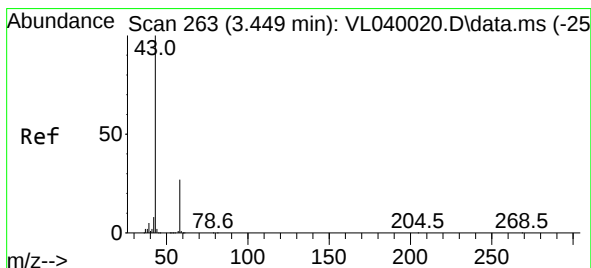
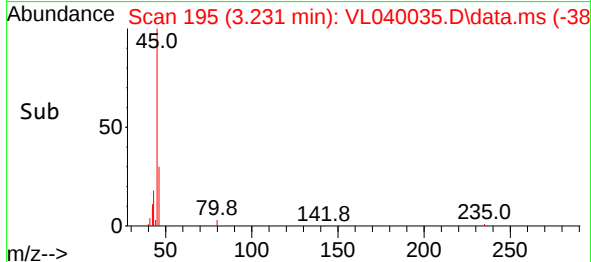
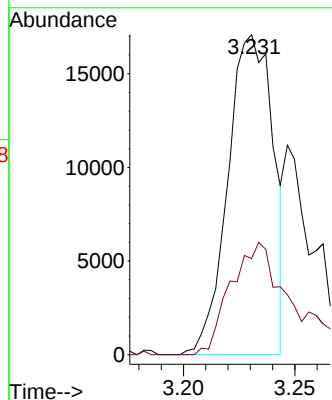
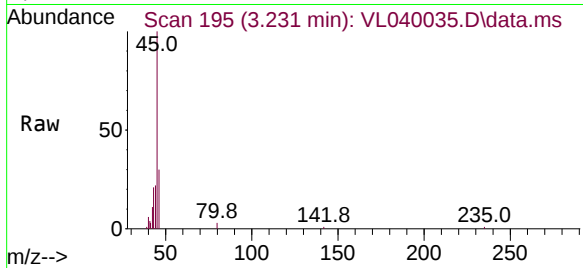




#13
 Ethanol
 Concen: 4.126 ppbv
 RT: 3.231 min Scan# 194
 Delta R.T. 0.003 min
 Lab File: VL040035.D
 Acq: 19 Dec 2022 19:31

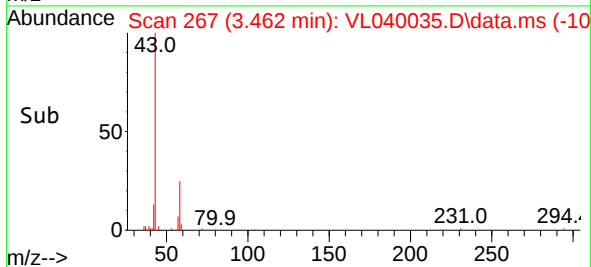
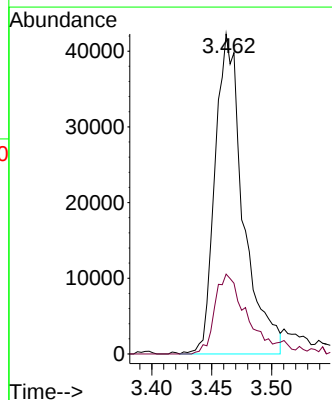
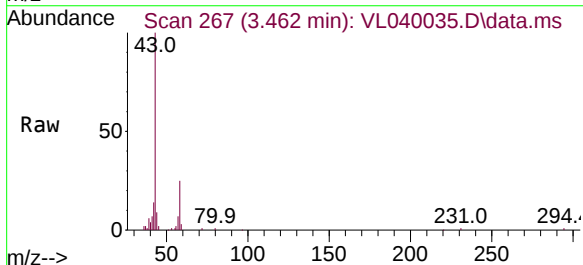
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

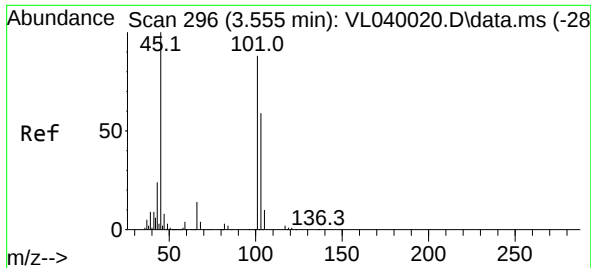
Tgt Ion: 45 Resp: 24187
 Ion Ratio Lower Upper
 45 100
 46 52.8 13.7 54.7



#15
 Acetone
 Concen: 0.448 ppbv
 RT: 3.462 min Scan# 267
 Delta R.T. 0.013 min
 Lab File: VL040035.D
 Acq: 19 Dec 2022 19:31

Tgt Ion: 43 Resp: 69000
 Ion Ratio Lower Upper
 43 100
 58 30.7 21.8 32.8





#19

Isopropyl Alcohol

Concen: 1.042 ppbv

RT: 3.571 min Scan# 301

Delta R.T. 0.016 min

Lab File: VL040035.D

Acq: 19 Dec 2022 19:31

Instrument :

MSVOA_L

ClientSampleId :

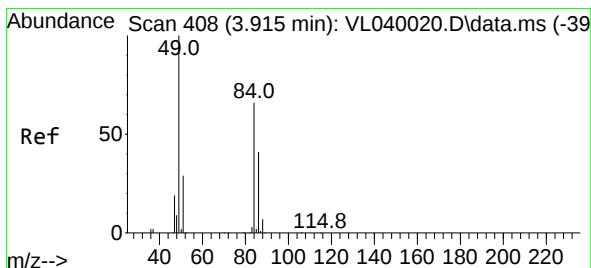
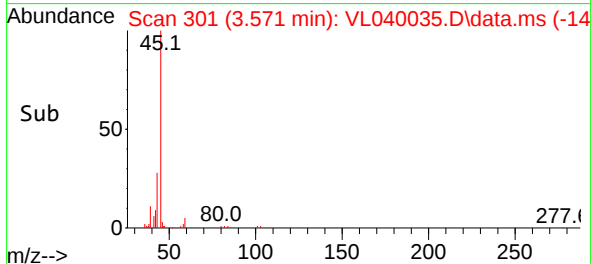
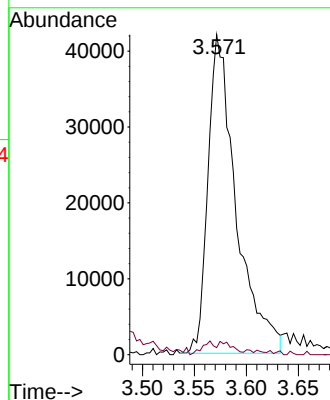
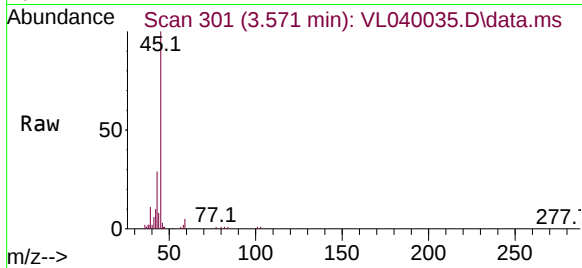
OA1DL

Tgt Ion: 45 Resp: 79028

Ion Ratio Lower Upper

45 100

58 4.6 1.7 2.5#



#20

Methylene Chloride

Concen: 1.531 ppbv

RT: 3.912 min Scan# 407

Delta R.T. -0.003 min

Lab File: VL040035.D

Acq: 19 Dec 2022 19:31

Tgt Ion: 84 Resp: 100139

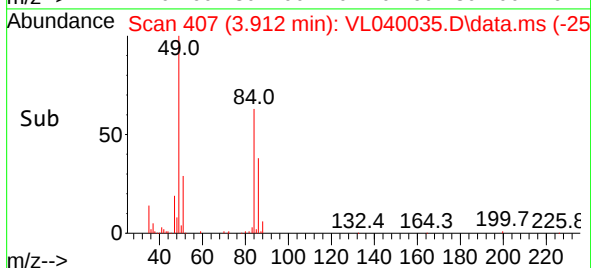
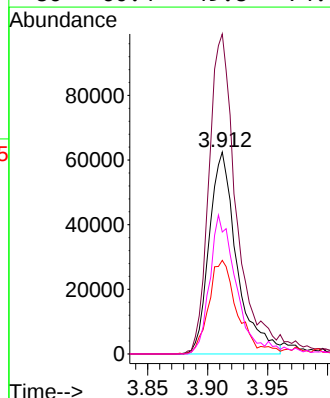
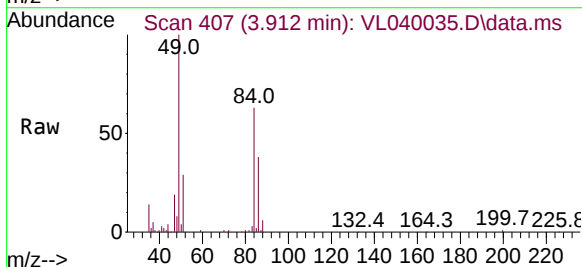
Ion Ratio Lower Upper

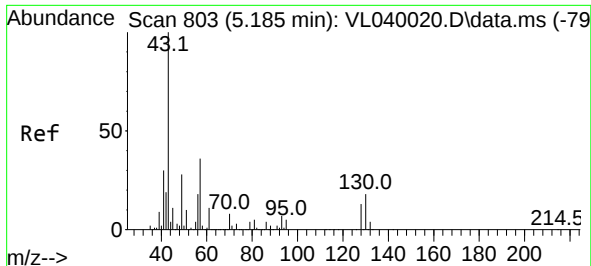
84 100

49 158.4 120.5 180.7

51 46.0 35.2 52.8

86 60.4 49.8 74.6



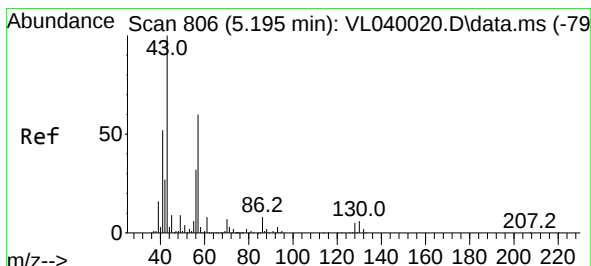
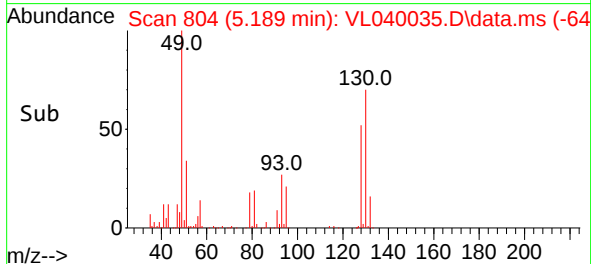
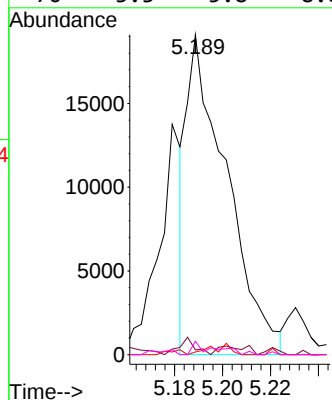
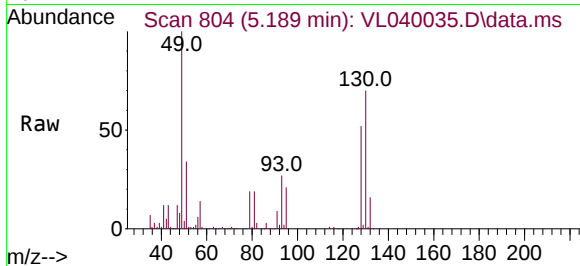


#25
Ethyl Acetate
Concen: 0.083 ppbv
RT: 5.189 min Scan# 803
Delta R.T. 0.003 min
Lab File: VL040035.D
Acq: 19 Dec 2022 19:31

Instrument :
MSVOA_L
ClientSampleId :
OA1DL

Tgt Ion: 43 Resp: 22048

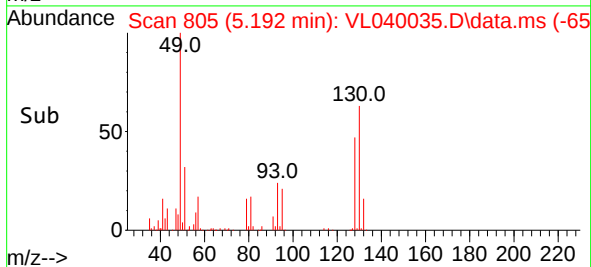
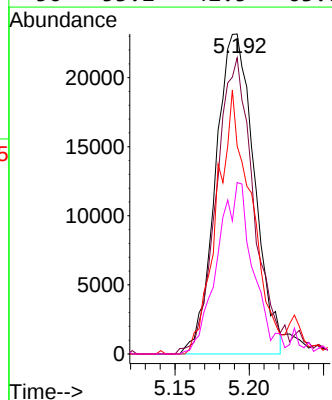
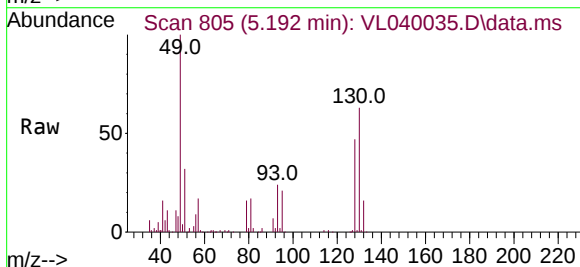
Ion	Ratio	Lower	Upper
43	100		
45	5.0	8.6	12.8#
61	2.6	8.5	12.7#
70	3.3	5.8	8.8#

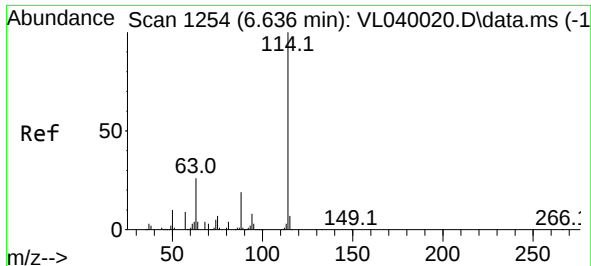


#26
Hexane
Concen: 0.374 ppbv
RT: 5.192 min Scan# 805
Delta R.T. -0.003 min
Lab File: VL040035.D
Acq: 19 Dec 2022 19:31

Tgt Ion: 57 Resp: 41938

Ion	Ratio	Lower	Upper
57	100		
41	93.8	72.1	108.1
43	78.9	192.1	288.1#
56	53.2	42.5	63.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.629 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL040035.D

Acq: 19 Dec 2022 19:31

Instrument :

MSVOA_L

ClientSampleId :

OA1DL

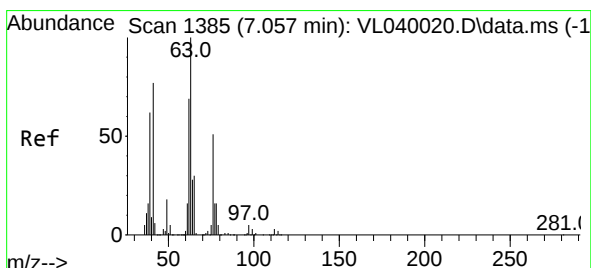
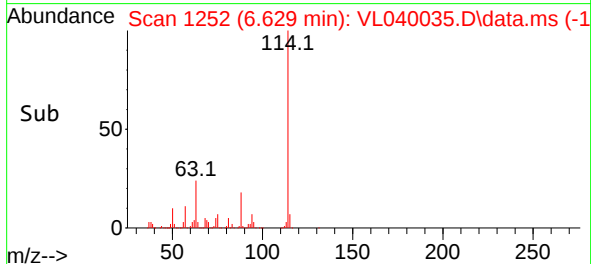
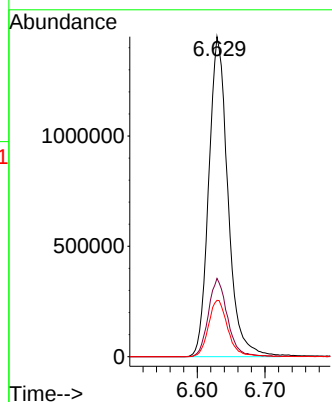
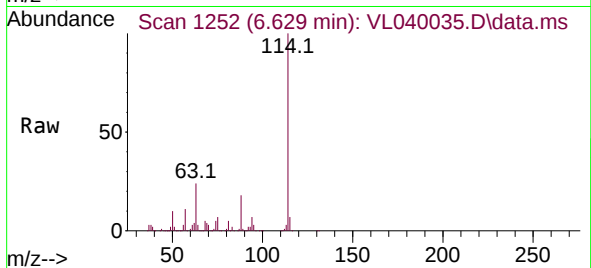
Tgt Ion:114 Resp: 2845380

Ion Ratio Lower Upper

114 100

63 24.5 20.2 30.2

88 17.9 14.6 21.8



#39

1,2-Dichloropropane

Concen: 7.263 ppbv

RT: 6.629 min Scan# 1252

Delta R.T. -0.428 min

Lab File: VL040035.D

Acq: 19 Dec 2022 19:31

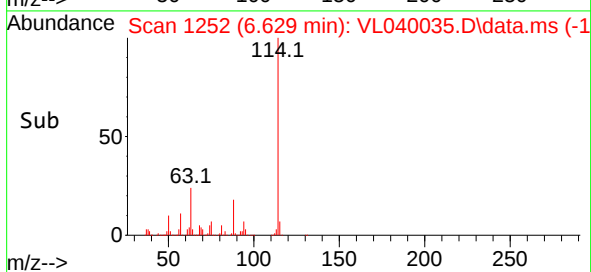
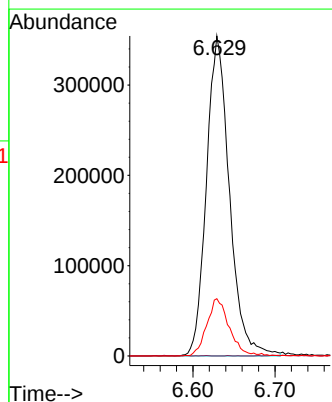
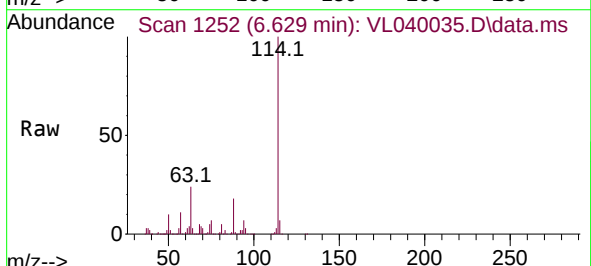
Tgt Ion: 63 Resp: 691821

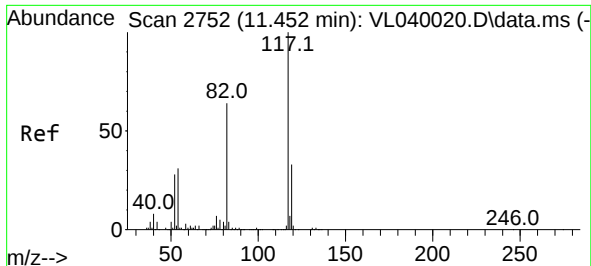
Ion Ratio Lower Upper

63 100

41 0.0 61.4 92.0#

62 17.8 55.4 83.2#

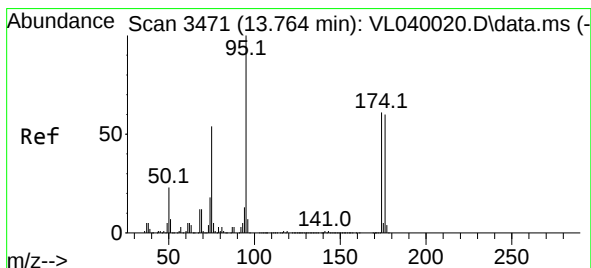
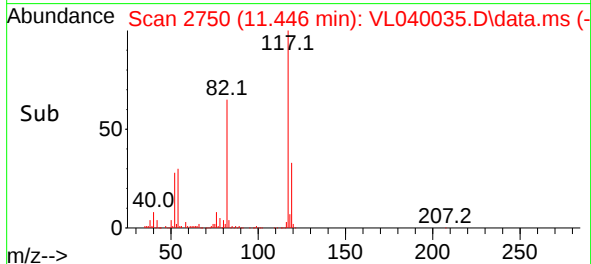
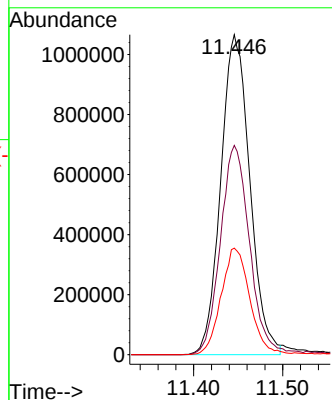
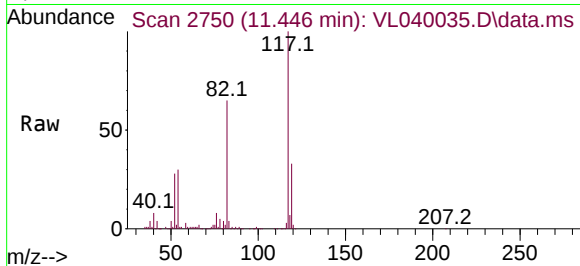




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.446 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040035.D
Acq: 19 Dec 2022 19:31

Instrument :
MSVOA_L
ClientSampleId :
OA1DL

Tgt Ion:117 Resp: 2415819
Ion Ratio Lower Upper
117 100
82 66.6 51.2 76.8
119 33.4 23.2 34.8



#68
1-Bromo-4-Fluorobenzene
Concen: 10.070 ppbv
RT: 13.757 min Scan# 3469
Delta R.T. -0.006 min
Lab File: VL040035.D
Acq: 19 Dec 2022 19:31

Tgt Ion: 95 Resp: 1858304
Ion Ratio Lower Upper
95 100
174 62.4 48.6 73.0
175 4.5 3.4 5.2

