

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110322\
 Data File : VL039826.D
 Acq On : 3 Nov 2022 15:15
 Operator : SY/AP
 Sample : N3986-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E061-1100

Quant Time: Nov 04 08:44:16 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)

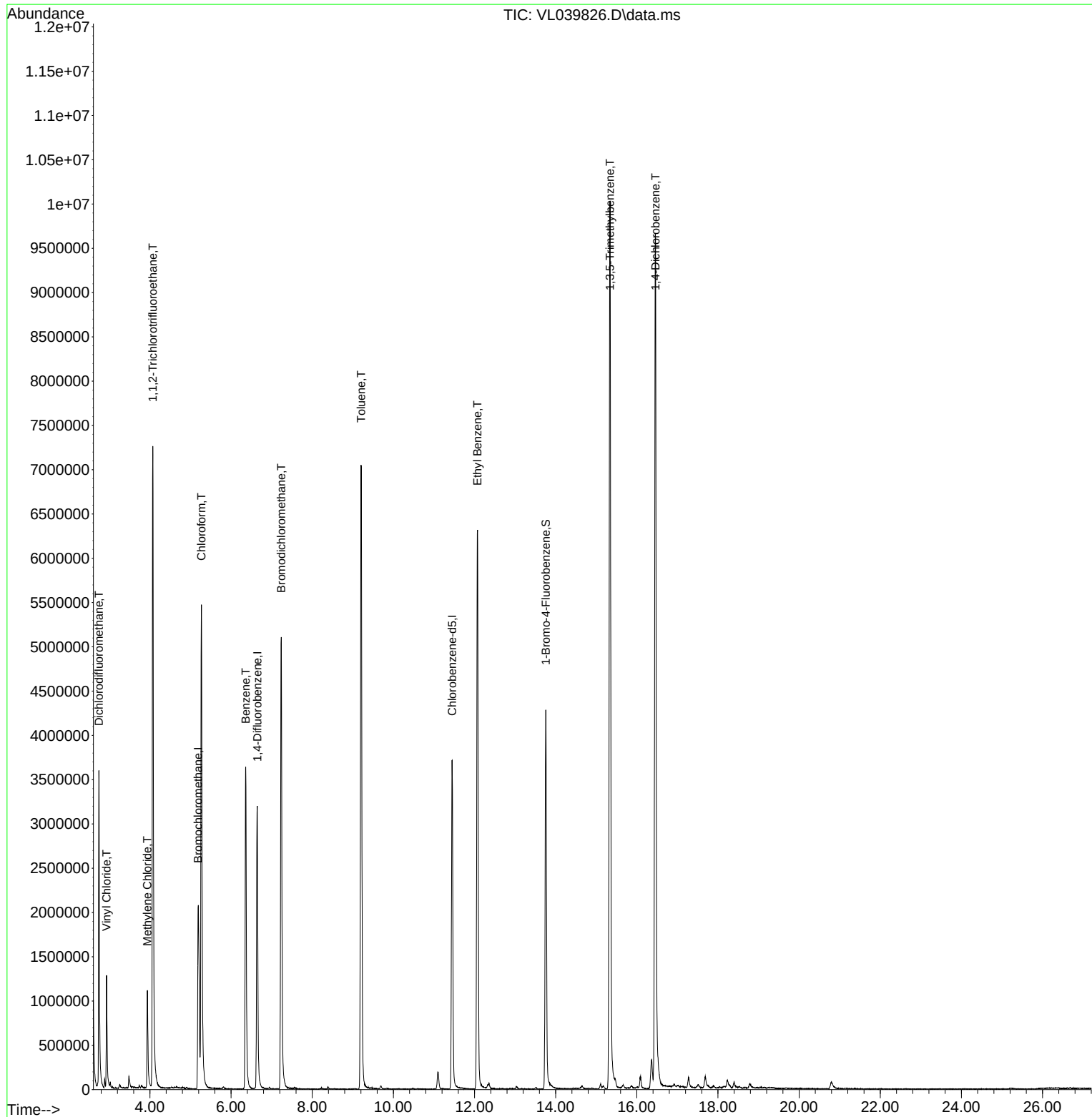
Internal Standards						
1) Bromochloromethane	5.188	49	977091	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2747241	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.449	117	2620319	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	2276229	11.606	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	116.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.742	85	2959899	17.943	ppbv	98
5) Vinyl Chloride	2.931	62	1139617	19.408	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.069	101	2938754	30.245	ppbv	100
20) Methylene Chloride	3.938	84	399745	9.395	ppbv	96
29) Chloroform	5.269	83	4314122	28.089	ppbv	99
36) Benzene	6.359	78	3391848	14.636	ppbv	98
42) Bromodichloromethane	7.237	83	3916781	22.056	ppbv	95
53) Toluene	9.208	91	6251117	23.513	ppbv	96
58) Ethyl Benzene	12.072	91	6398234	18.059	ppbv	98
73) 1,3,5-Trimethylbenzene	15.339	105	8589279	30.709	ppbv	98
76) 1,4-Dichlorobenzene	16.458	146	5637121	33.108	ppbv	99

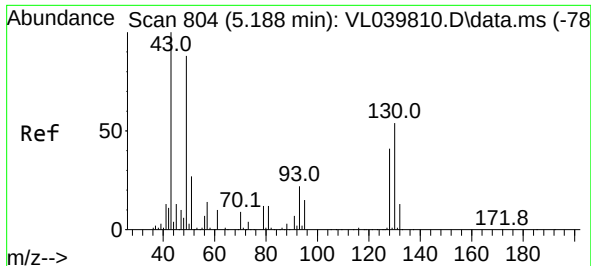
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 04 08:44:16 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

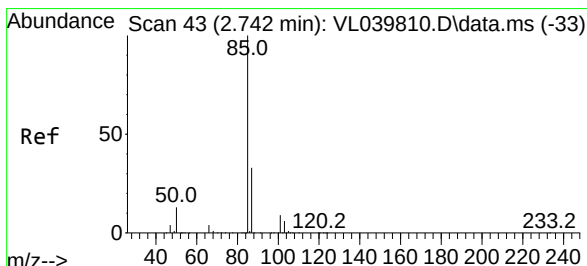
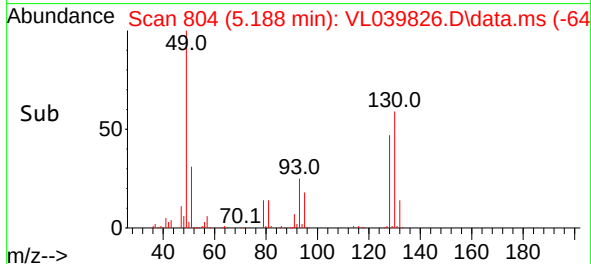
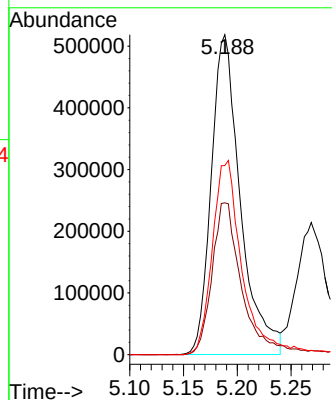
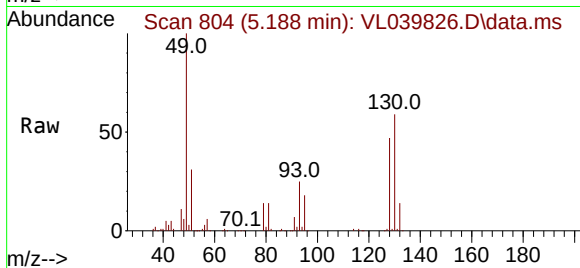




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.188 min Scan# 804
Delta R.T. 0.000 min
Lab File: VL039826.D
Acq: 3 Nov 2022 15:15

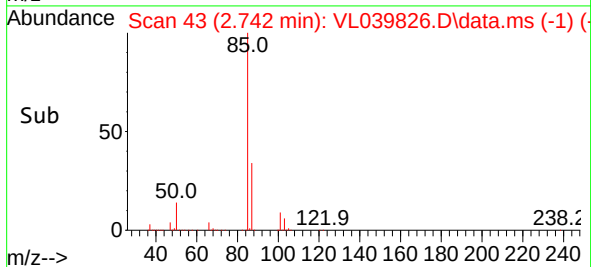
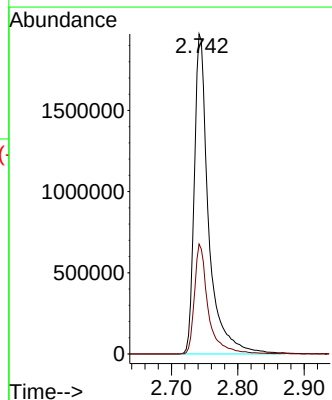
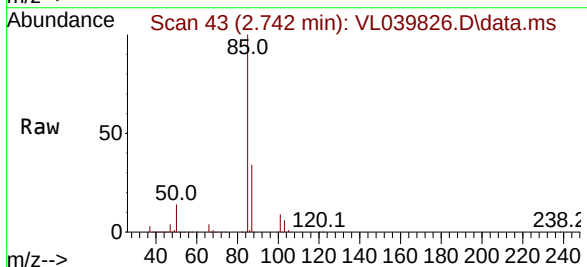
Instrument :
MSVOA_L
ClientSampleId :
E061-1100

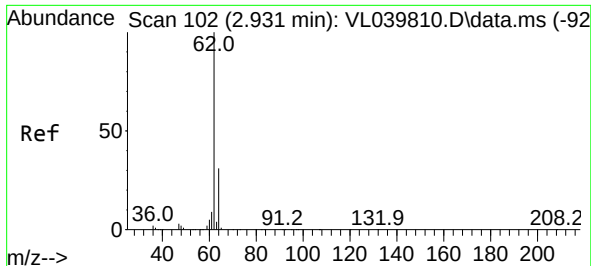
Tgt Ion: 49 Resp: 977091
Ion Ratio Lower Upper
49 100
128 50.4 24.6 73.6
130 64.3 31.1 93.2



#2
Dichlorodifluoromethane
Concen: 17.943 ppbv
RT: 2.742 min Scan# 43
Delta R.T. -0.000 min
Lab File: VL039826.D
Acq: 3 Nov 2022 15:15

Tgt Ion: 85 Resp: 2959899
Ion Ratio Lower Upper
85 100
87 34.3 26.4 39.6

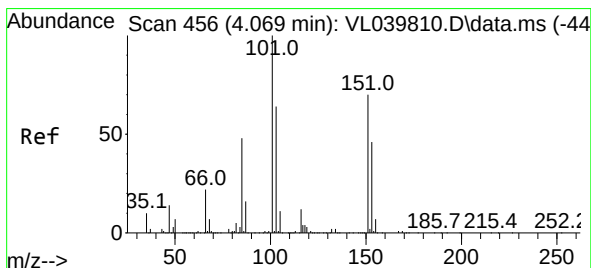
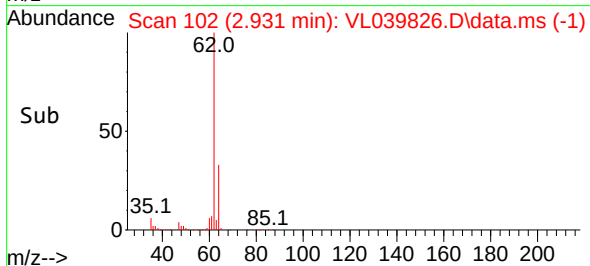
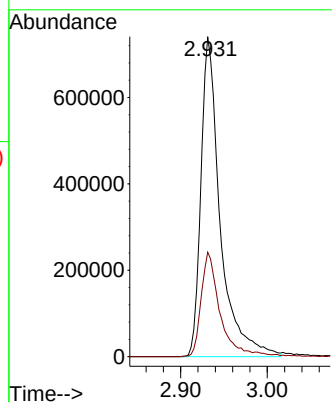
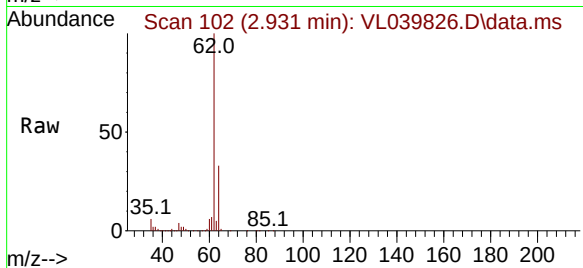




#5
 Vinyl Chloride
 Concen: 19.408 ppbv
 RT: 2.931 min Scan# 102
 Delta R.T. -0.000 min
 Lab File: VL039826.D
 Acq: 3 Nov 2022 15:15

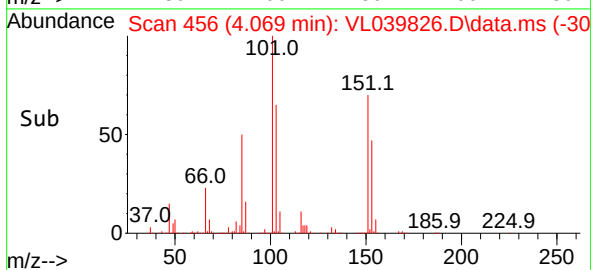
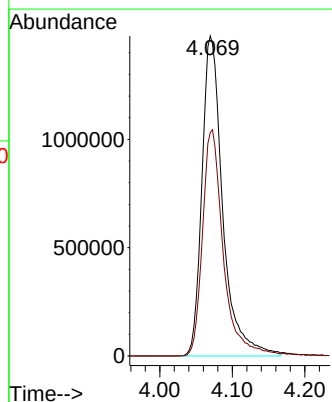
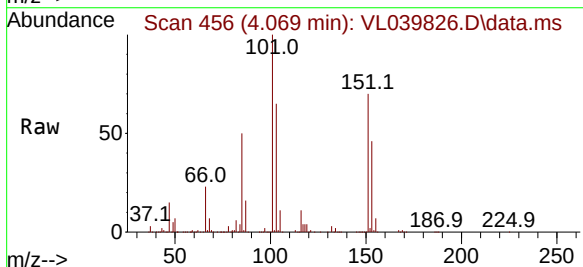
Instrument :
 MSVOA_L
 ClientSampleId :
 E061-1100

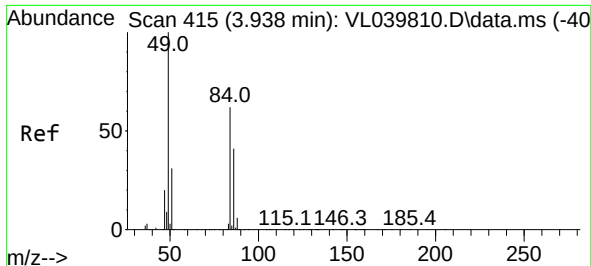
Tgt Ion: 62 Resp: 1139617
 Ion Ratio Lower Upper
 62 100
 64 32.6 25.0 37.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 30.245 ppbv
 RT: 4.069 min Scan# 456
 Delta R.T. -0.000 min
 Lab File: VL039826.D
 Acq: 3 Nov 2022 15:15

Tgt Ion: 101 Resp: 2938754
 Ion Ratio Lower Upper
 101 100
 151 71.4 57.2 85.8

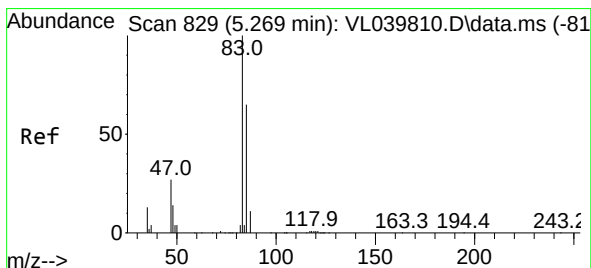
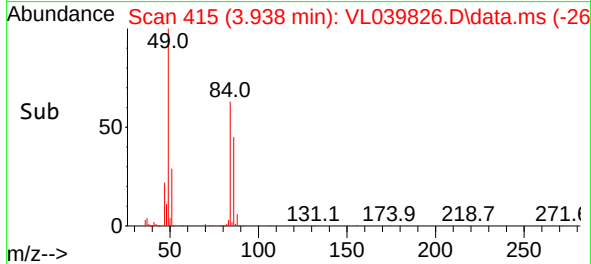
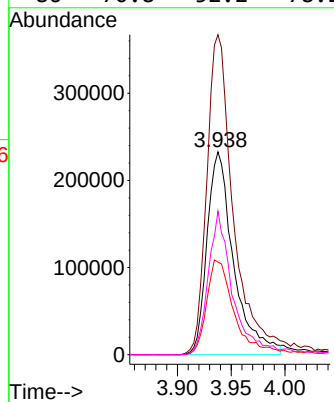
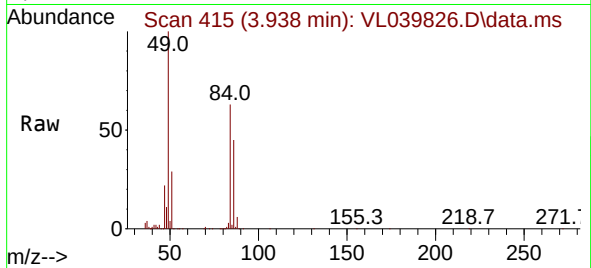




#20
Methylene Chloride
Concen: 9.395 ppbv
RT: 3.938 min Scan# 415
Delta R.T. -0.000 min
Lab File: VL039826.D
Acq: 3 Nov 2022 15:15

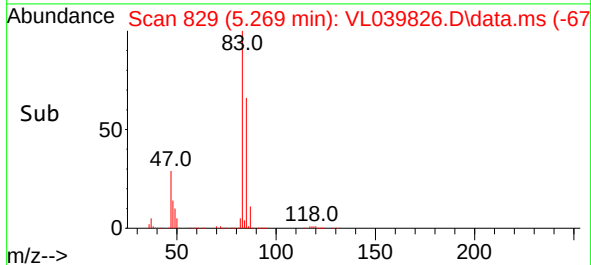
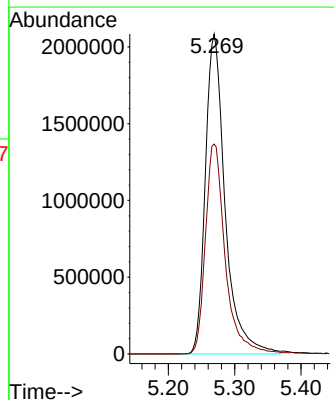
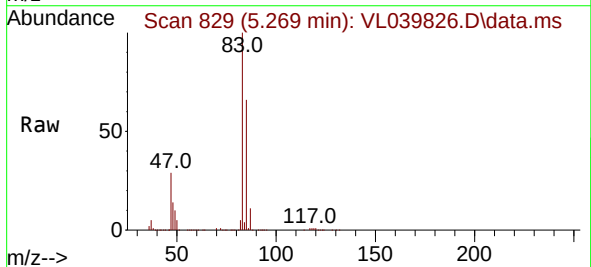
Instrument :
MSVOA_L
ClientSampleId :
E061-1100

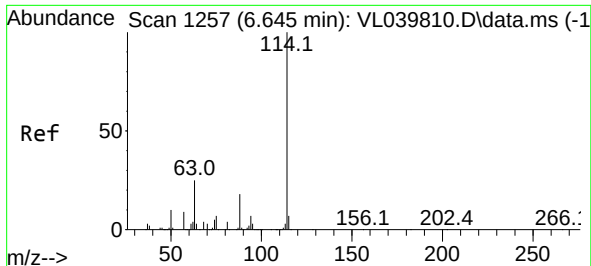
Tgt Ion: 84 Resp: 399745
Ion Ratio Lower Upper
84 100
49 157.7 128.6 192.8
51 45.7 40.2 60.4
86 70.8 52.2 78.2



#29
Chloroform
Concen: 28.089 ppbv
RT: 5.269 min Scan# 829
Delta R.T. -0.000 min
Lab File: VL039826.D
Acq: 3 Nov 2022 15:15

Tgt Ion: 83 Resp: 4314122
Ion Ratio Lower Upper
83 100
85 65.6 51.6 77.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 1168

Delta R.T. -0.000 min

Lab File: VL039826.D

Acq: 3 Nov 2022 15:15

Instrument :

MSVOA_L

ClientSampleId :

E061-1100

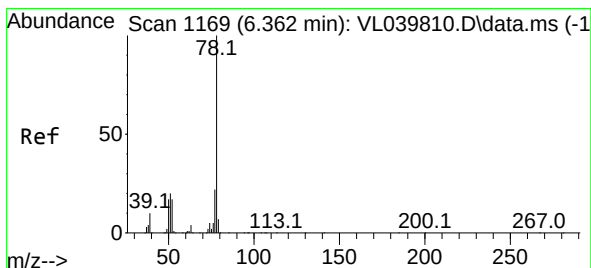
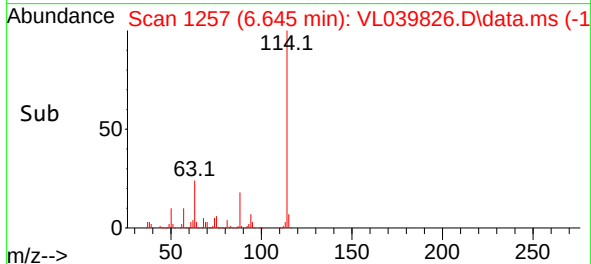
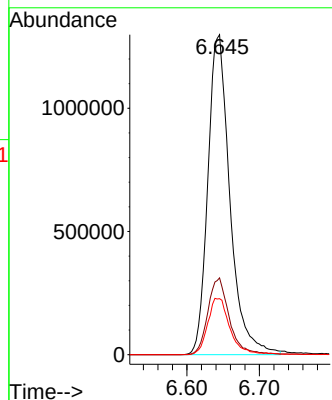
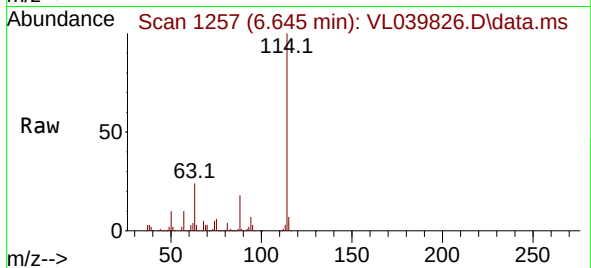
Tgt Ion:114 Resp: 2747241

Ion Ratio Lower Upper

114 100

63 23.6 19.8 29.6

88 18.0 14.4 21.6



#36

Benzene

Concen: 14.636 ppbv

RT: 6.359 min Scan# 1168

Delta R.T. -0.003 min

Lab File: VL039826.D

Acq: 3 Nov 2022 15:15

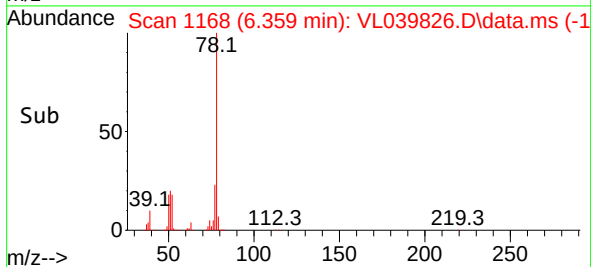
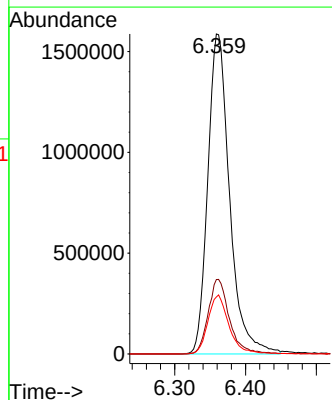
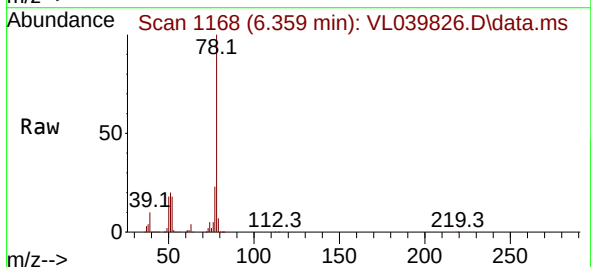
Tgt Ion: 78 Resp: 3391848

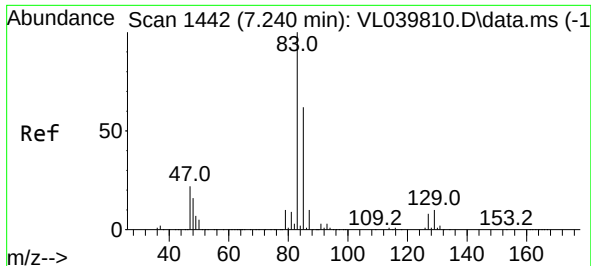
Ion Ratio Lower Upper

78 100

77 23.3 17.4 26.2

50 17.8 13.9 20.9

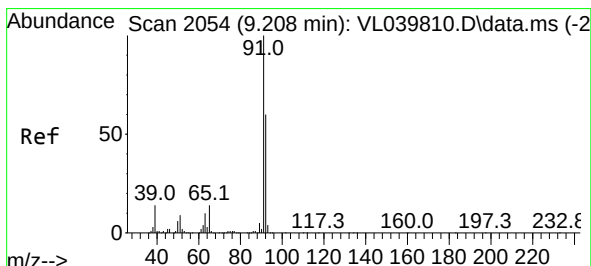
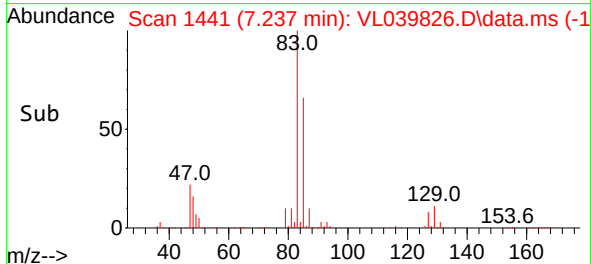
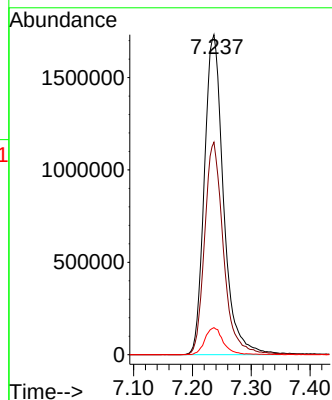
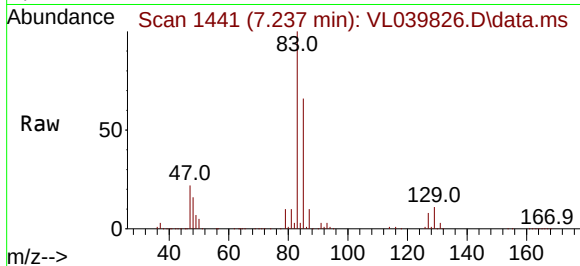




#42
Bromodichloromethane
Concen: 22.056 ppbv
RT: 7.237 min Scan# 1441
Delta R.T. -0.003 min
Lab File: VL039826.D
Acq: 3 Nov 2022 15:15

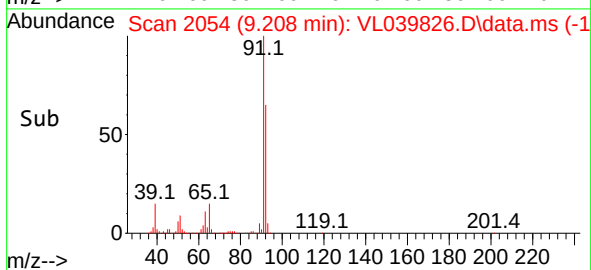
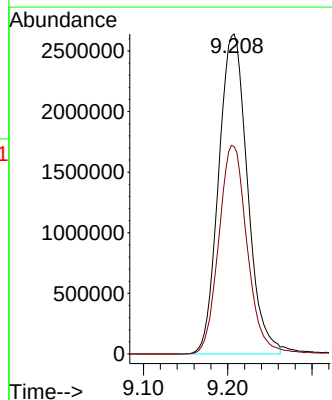
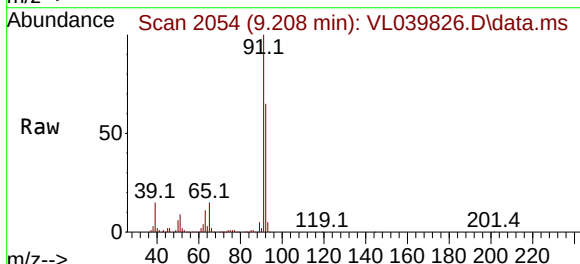
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E061-1100

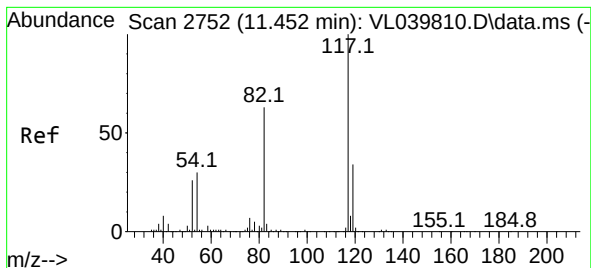
Tgt Ion: 83 Resp: 3916781
Ion Ratio Lower Upper
83 100
85 66.4 49.9 74.9
127 8.5 6.4 9.6



#53
Toluene
Concen: 23.513 ppbv
RT: 9.208 min Scan# 2054
Delta R.T. -0.000 min
Lab File: VL039826.D
Acq: 3 Nov 2022 15:15

Tgt Ion: 91 Resp: 6251117
Ion Ratio Lower Upper
91 100
92 64.9 49.6 74.4

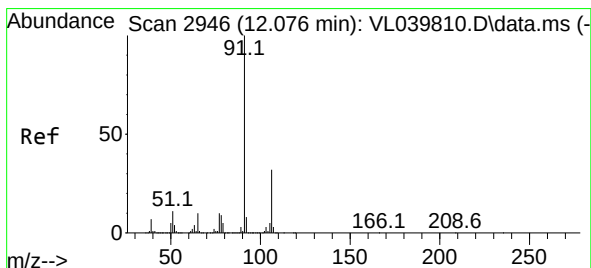
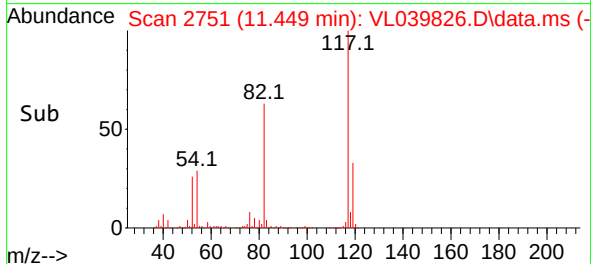
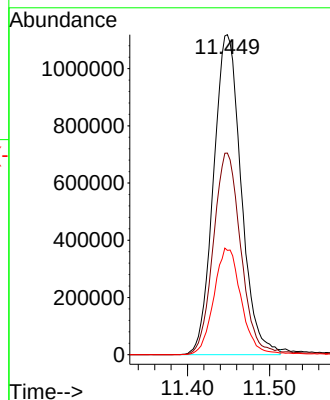
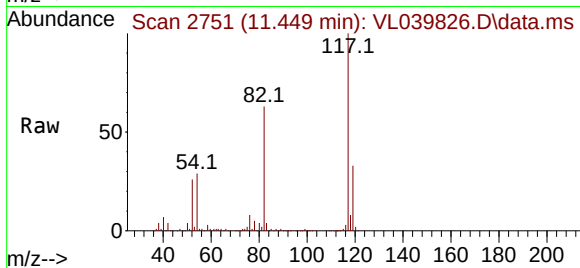




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL039826.D
Acq: 3 Nov 2022 15:15

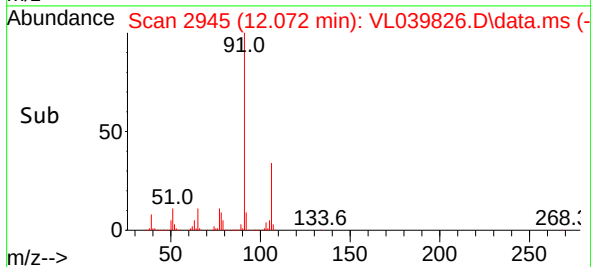
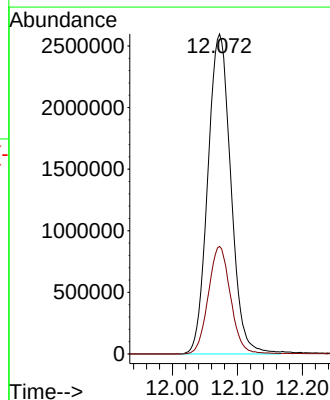
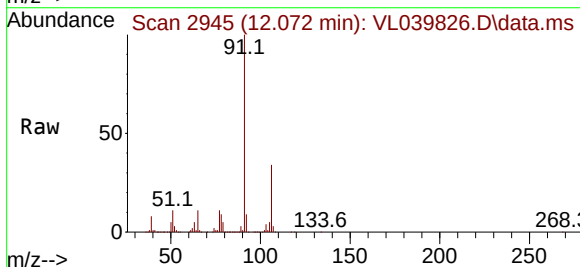
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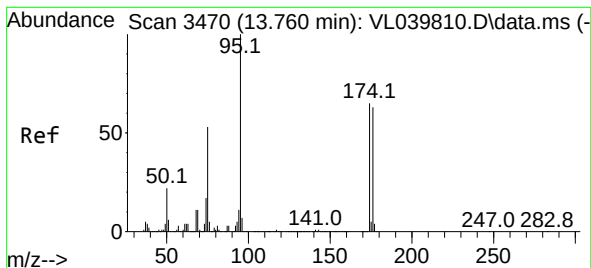
Tgt Ion:117 Resp: 2620319
Ion Ratio Lower Upper
117 100
82 63.7 51.0 76.6
119 33.6 24.7 37.1



#58
Ethyl Benzene
Concen: 18.059 ppbv
RT: 12.072 min Scan# 2945
Delta R.T. -0.003 min
Lab File: VL039826.D
Acq: 3 Nov 2022 15:15

Tgt Ion: 91 Resp: 6398234
Ion Ratio Lower Upper
91 100
106 33.6 25.9 38.9

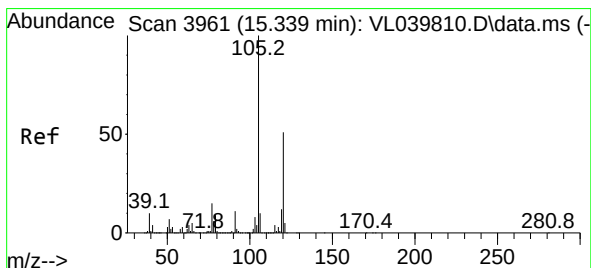
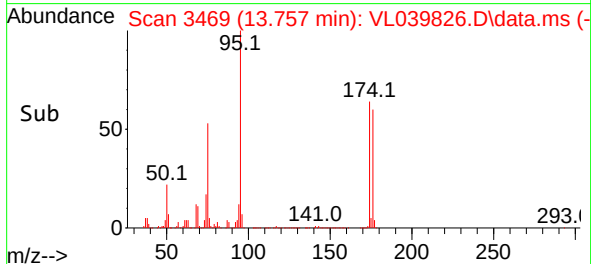
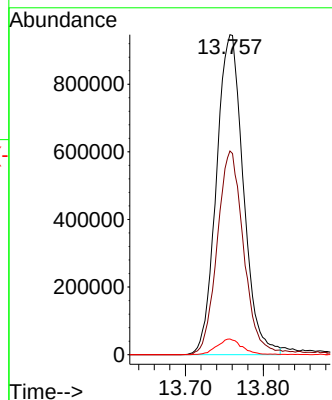
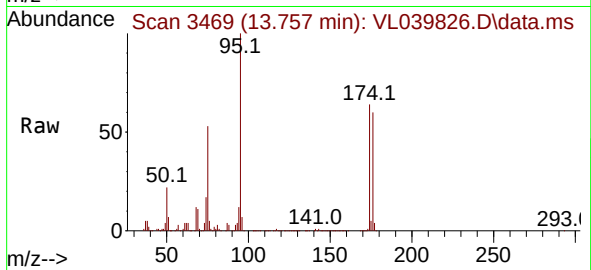




#68
1-Bromo-4-Fluorobenzene
Concen: 11.606 ppbv
RT: 13.757 min Scan# 3470
Delta R.T. -0.003 min
Lab File: VL039826.D
Acq: 3 Nov 2022 15:15

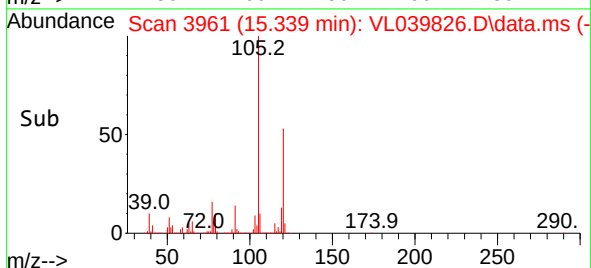
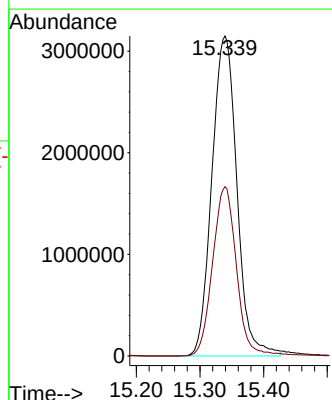
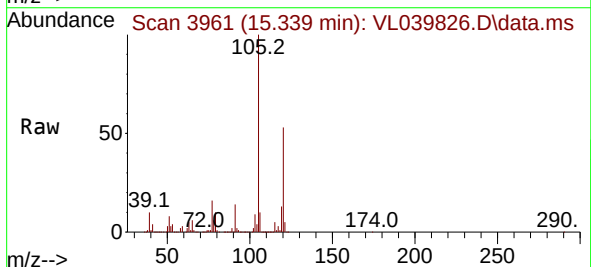
Instrument :
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E061-1100

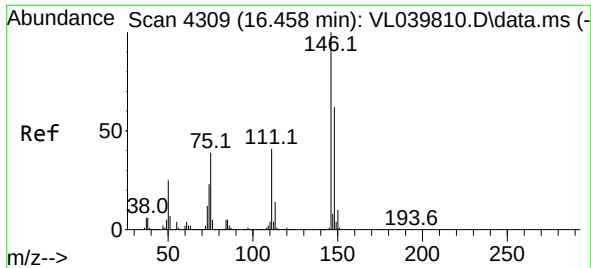
Tgt Ion: 95 Resp: 2276229
Ion Ratio Lower Upper
95 100
174 63.5 53.4 80.0
175 4.7 4.1 6.1



#73
1,3,5-Trimethylbenzene
Concen: 30.709 ppbv
RT: 15.339 min Scan# 3961
Delta R.T. -0.000 min
Lab File: VL039826.D
Acq: 3 Nov 2022 15:15

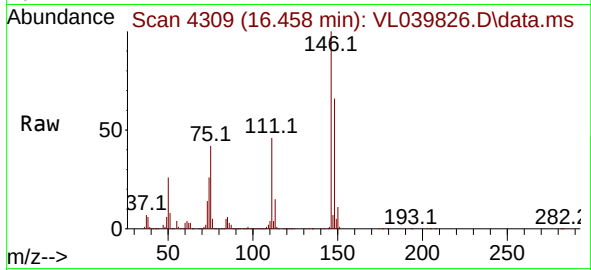
Tgt Ion: 105 Resp: 8589279
Ion Ratio Lower Upper
105 100
120 52.9 41.0 61.4





#76
 1,4-Dichlorobenzene
 Concen: 33.108 ppbv
 RT: 16.458 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL039826.D
 Acq: 3 Nov 2022 15:15

Instrument :
 MSVOA_L
 ClientSampleId :
 E061-1100



Tgt Ion:146 Resp: 5637121

Ion	Ratio	Lower	Upper
146	100		
111	46.5	22.7	68.1
148	66.1	33.1	99.3

