

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061523\
 Data File : VL040477.D
 Acq On : 15 Jun 2023 21:42
 Operator : SY/MD
 Sample : 03250-04DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-04DL

Quant Time: Jun 16 05:41:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jun 06 06:22:12 2023
 Response via : Initial Calibration

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

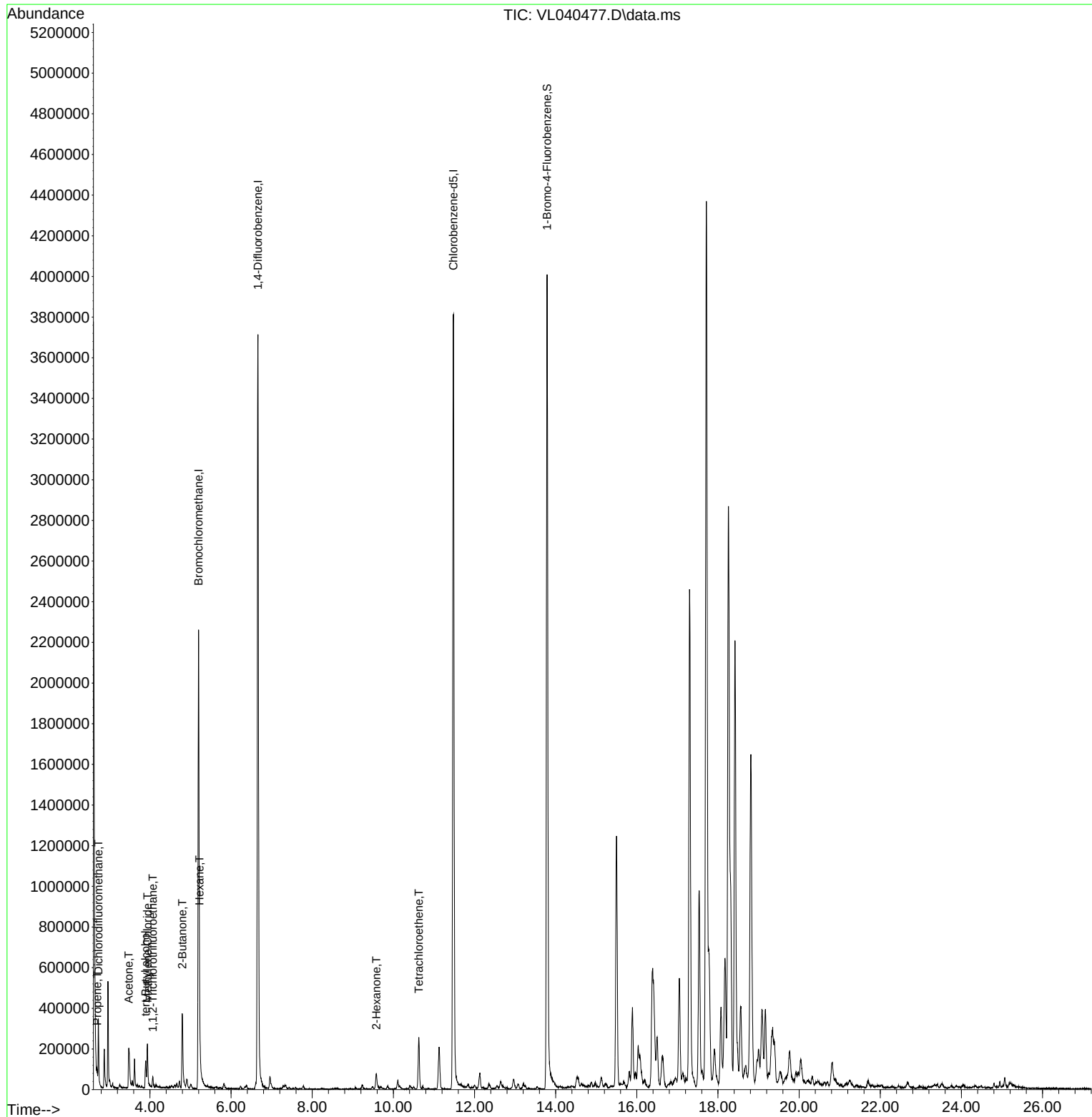
Internal Standards						
1) Bromochloromethane	5.198	49	1122013	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2935653	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2613771	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.789	95	2019382	9.361	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.729	85	220551	0.903	ppbv	99
9) Propene	2.700	41	21317	0.376	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.070	101	16030	0.115	ppbv #	80
15) Acetone	3.478	43	192350	1.421	ppbv #	5
17) tert-Butyl alcohol	3.896	59	120005	1.079	ppbv	100
20) Methylene Chloride	3.941	84	67768	1.173	ppbv	87
26) Hexane	5.221	57	76516	0.659	ppbv #	43
34) 2-Butanone	4.796	43	466006	3.292	ppbv	99
51) 2-Hexanone	9.581	43	69025	0.524	ppbv #	91
52) Tetrachloroethene	10.629	164	61550	0.839	ppbv	95

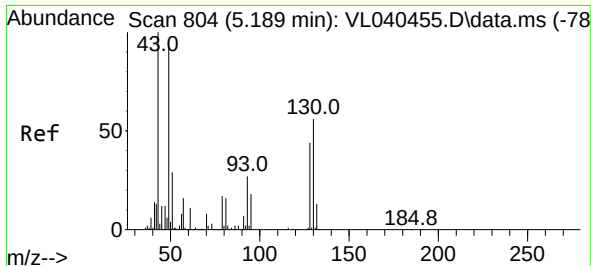
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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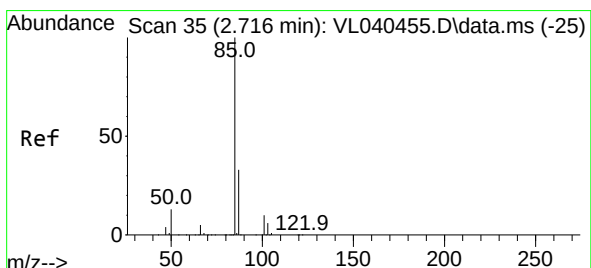
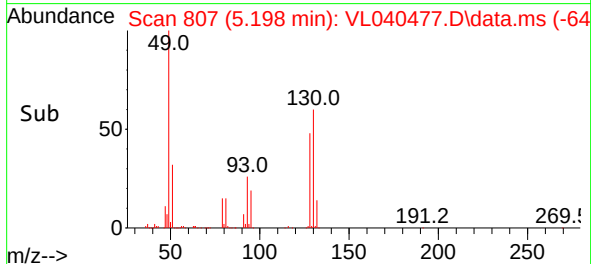
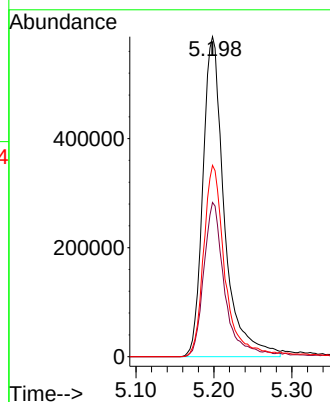
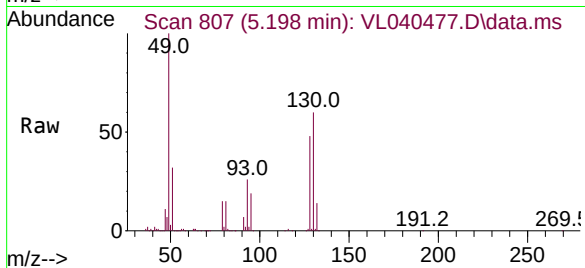




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.198 min Scan# 80
 Delta R.T. 0.009 min
 Lab File: VL040477.D
 Acq: 15 Jun 2023 21:42

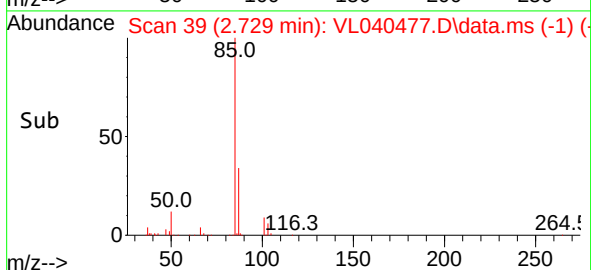
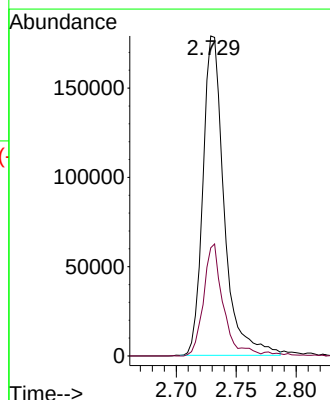
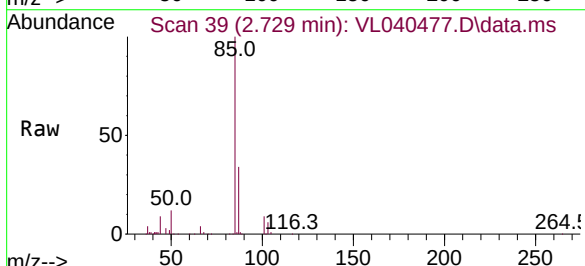
Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-04DL

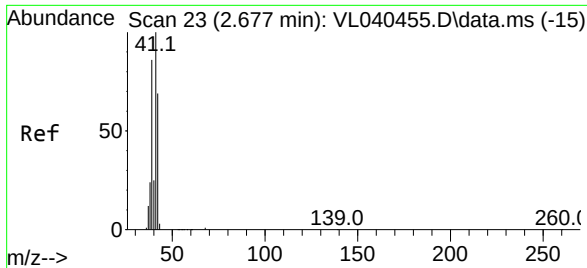
Tgt Ion: 49 Resp: 1122013
 Ion Ratio Lower Upper
 49 100
 128 48.0 24.7 74.1
 130 61.5 31.4 94.2



#2
 Dichlorodifluoromethane
 Concen: 0.903 ppbv
 RT: 2.729 min Scan# 39
 Delta R.T. 0.013 min
 Lab File: VL040477.D
 Acq: 15 Jun 2023 21:42

Tgt Ion: 85 Resp: 220551
 Ion Ratio Lower Upper
 85 100
 87 33.9 26.6 39.8





#9

Propene

Concen: 0.376 ppbv

RT: 2.700 min Scan# 30

Delta R.T. 0.022 min

Lab File: VL040477.D

Acq: 15 Jun 2023 21:42

Instrument :

MSVOA_L

ClientSampleId :

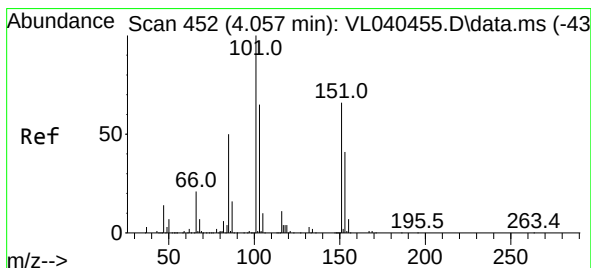
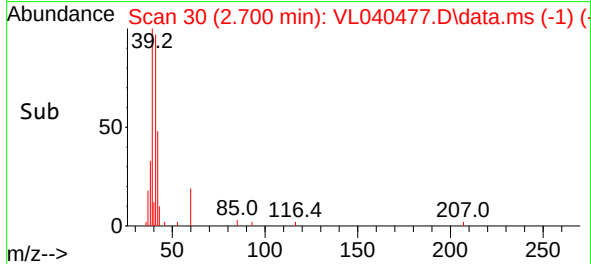
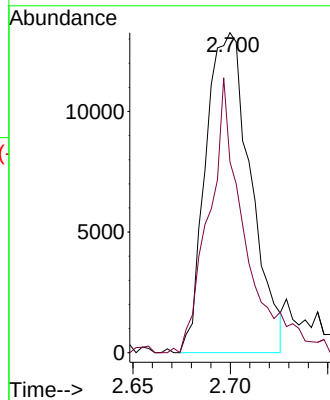
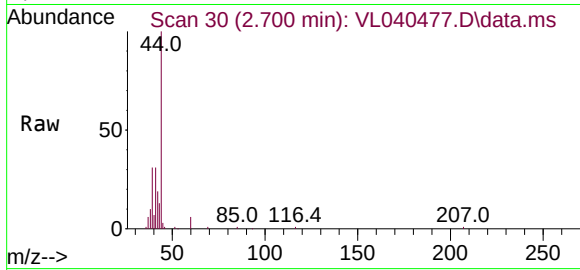
SVP-04DL

Tgt Ion: 41 Resp: 21317

Ion Ratio Lower Upper

41 100

42 68.9 56.2 84.2



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.115 ppbv

RT: 4.070 min Scan# 456

Delta R.T. 0.013 min

Lab File: VL040477.D

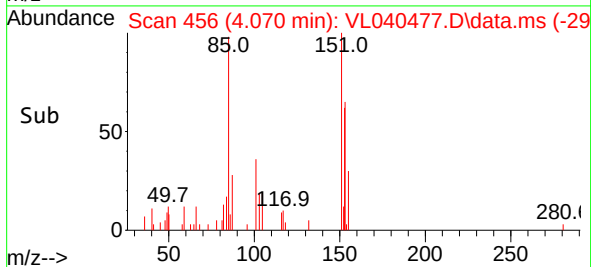
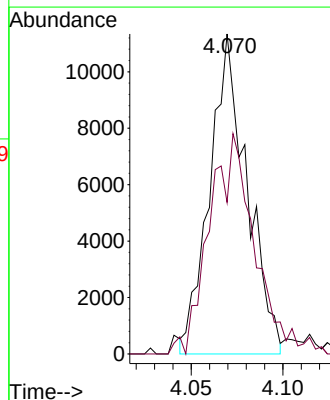
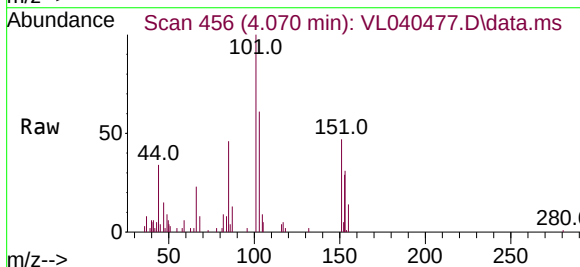
Acq: 15 Jun 2023 21:42

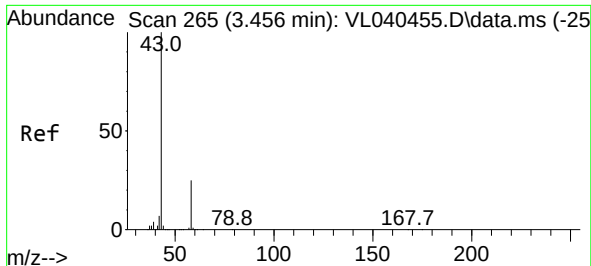
Tgt Ion: 101 Resp: 16030

Ion Ratio Lower Upper

101 100

151 84.4 54.3 81.5#





#15

Acetone

Concen: 1.421 ppbv

RT: 3.478 min Scan# 21

Delta R.T. 0.022 min

Lab File: VL040477.D

Acq: 15 Jun 2023 21:42

Instrument :

MSVOA_L

ClientSampleId :

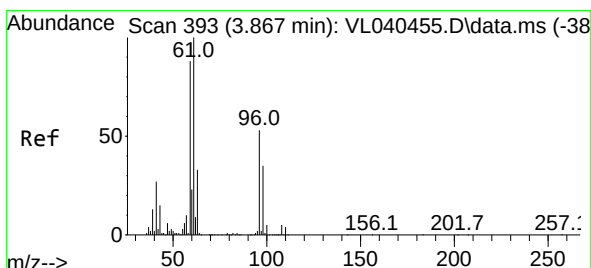
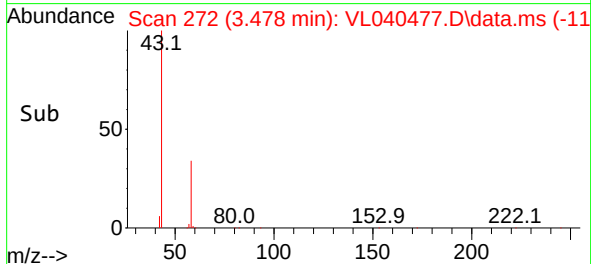
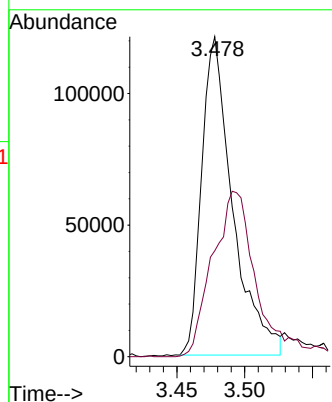
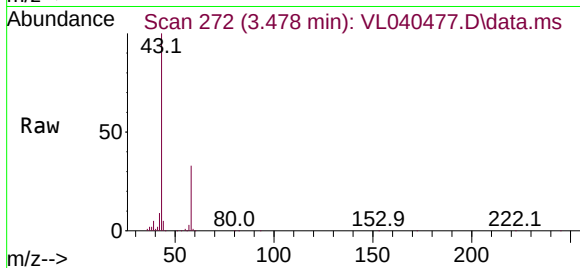
SVP-04DL

Tgt Ion: 43 Resp: 192350

Ion Ratio Lower Upper

43 100

58 76.0 21.6 32.4#



#17

tert-Butyl alcohol

Concen: 1.079 ppbv

RT: 3.896 min Scan# 402

Delta R.T. 0.029 min

Lab File: VL040477.D

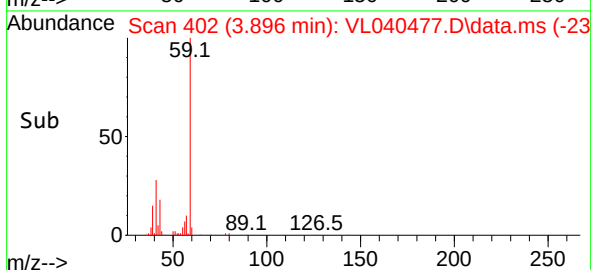
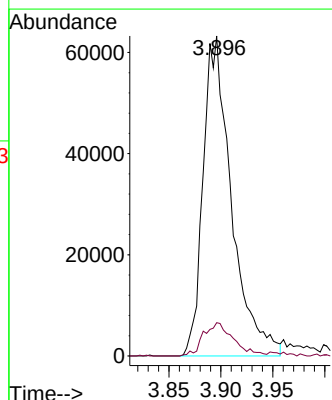
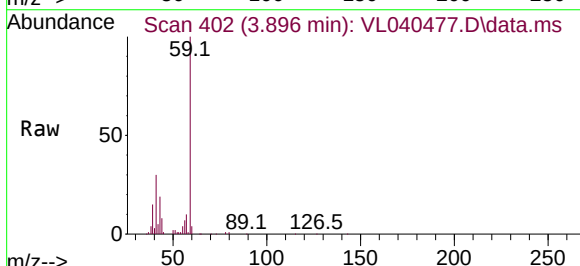
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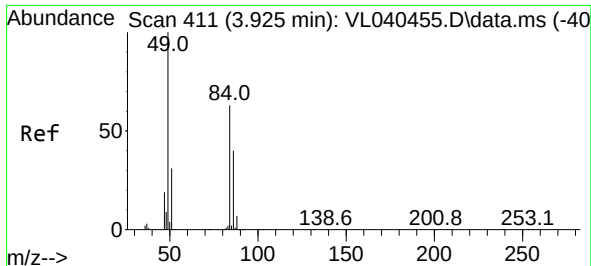
Tgt Ion: 59 Resp: 120005

Ion Ratio Lower Upper

59 100

57 10.9 8.8 13.2

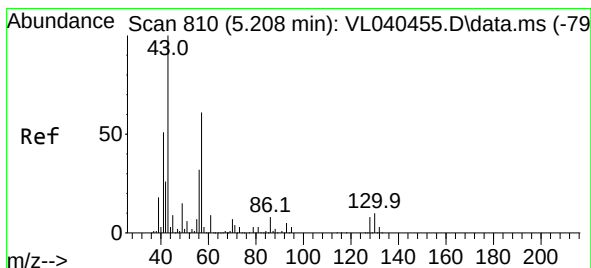
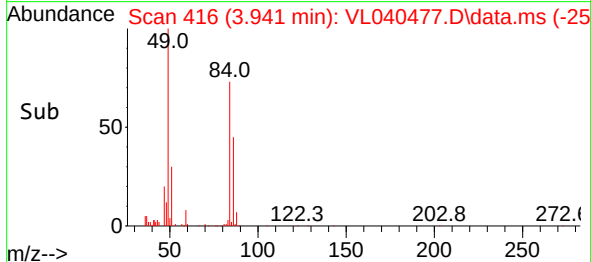
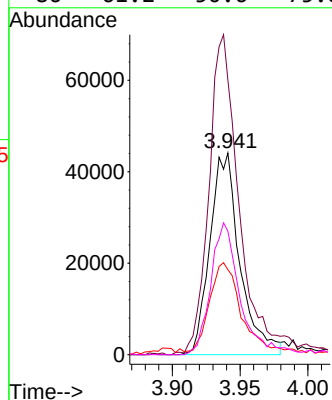
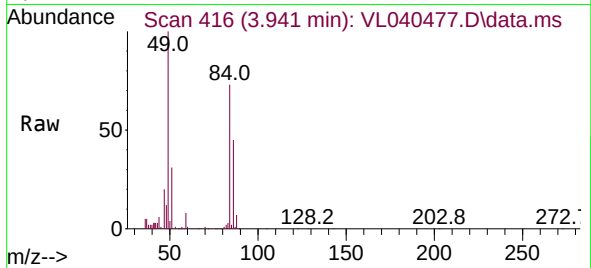




#20
Methylene Chloride
Concen: 1.173 ppbv
RT: 3.941 min Scan# 411
Delta R.T. 0.016 min
Lab File: VL040477.D
Acq: 15 Jun 2023 21:42

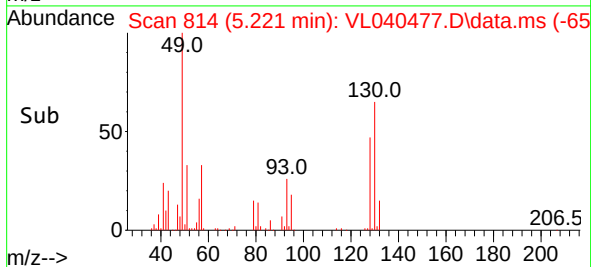
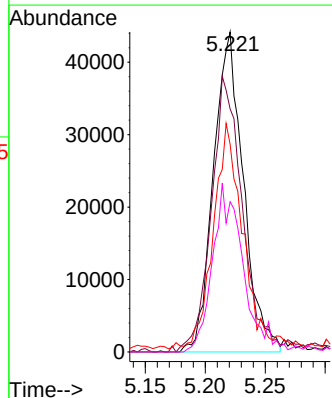
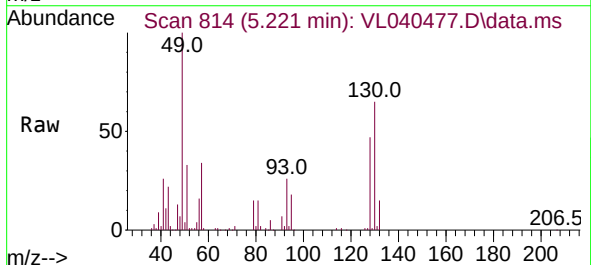
Instrument :
MSVOA_L
ClientSampleId :
SVP-04DL

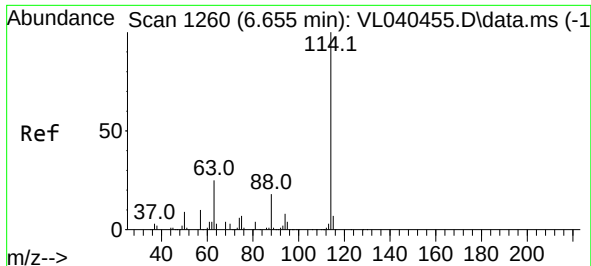
Tgt Ion: 84 Resp: 67768
Ion Ratio Lower Upper
84 100
49 135.0 126.2 189.2
51 39.2 38.7 58.1
86 61.2 50.6 75.8



#26
Hexane
Concen: 0.659 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.013 min
Lab File: VL040477.D
Acq: 15 Jun 2023 21:42

Tgt Ion: 57 Resp: 76516
Ion Ratio Lower Upper
57 100
41 93.0 73.0 109.6
43 70.3 177.5 266.3#
56 55.4 43.6 65.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.661 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL040477.D

Acq: 15 Jun 2023 21:42

Instrument :

MSVOA_L

ClientSampleId :

SVP-04DL

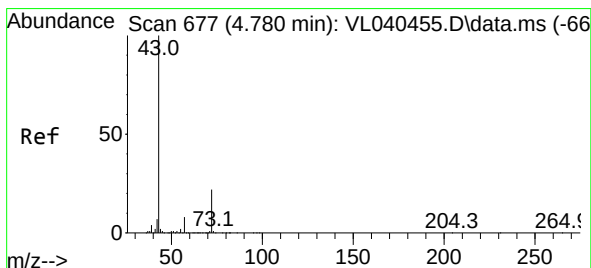
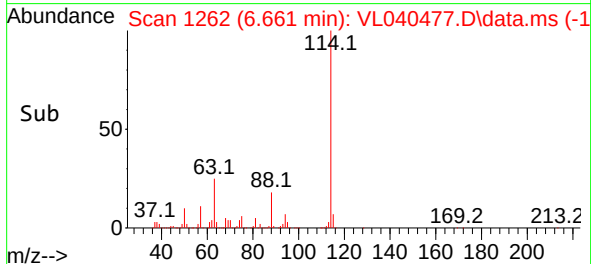
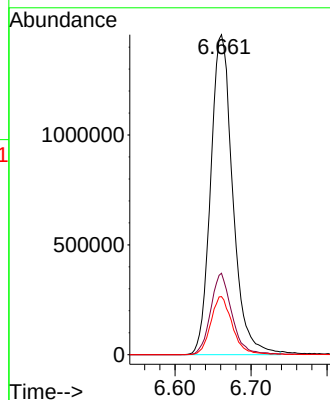
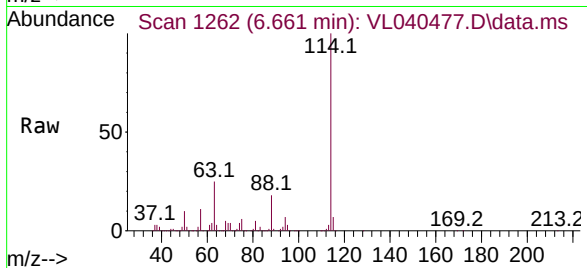
Tgt Ion:114 Resp: 2935653

Ion Ratio Lower Upper

114 100

63 24.8 21.0 31.6

88 17.8 14.5 21.7



#34

2-Butanone

Concen: 3.292 ppbv

RT: 4.796 min Scan# 682

Delta R.T. 0.016 min

Lab File: VL040477.D

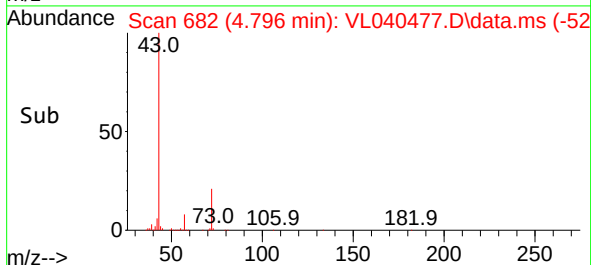
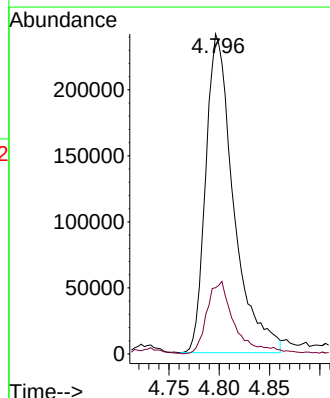
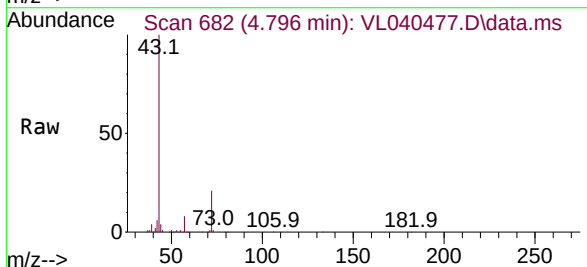
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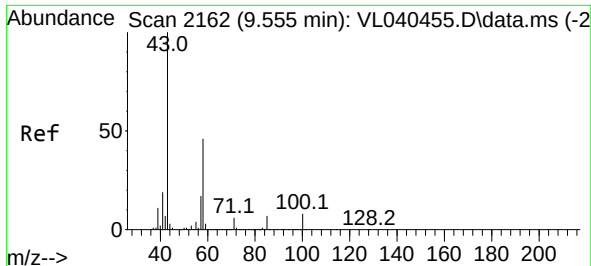
Tgt Ion: 43 Resp: 466006

Ion Ratio Lower Upper

43 100

72 23.3 18.1 27.1

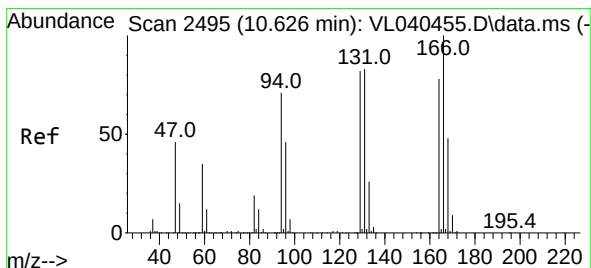
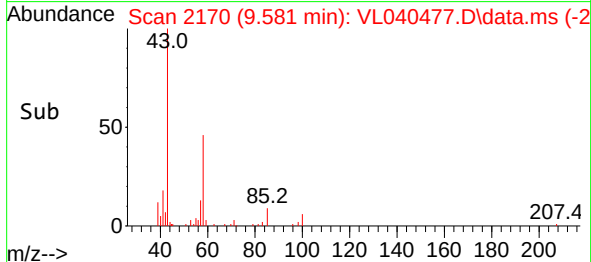
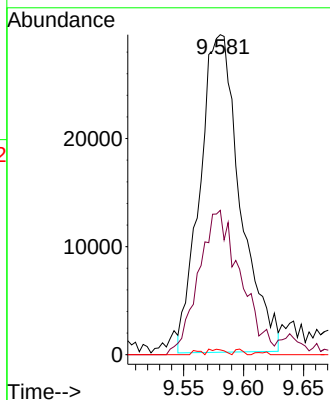
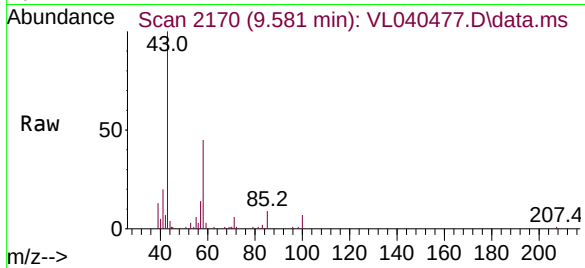




#51
2-Hexanone
Concen: 0.524 ppbv
RT: 9.581 min Scan# 2162
Delta R.T. 0.026 min
Lab File: VL040477.D
Acq: 15 Jun 2023 21:42

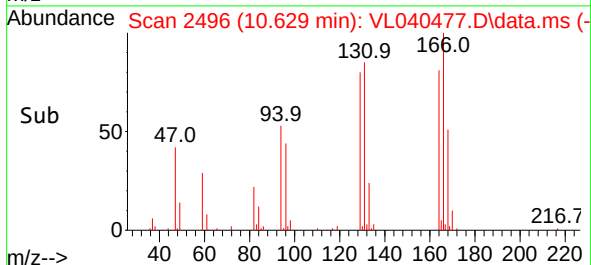
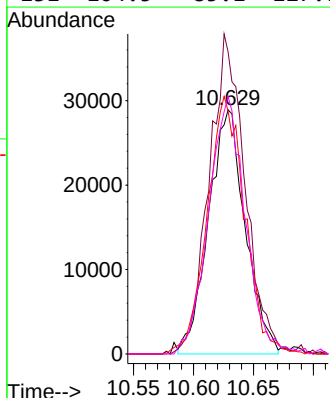
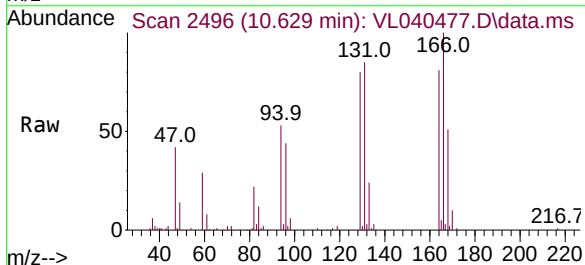
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SVP-04DL

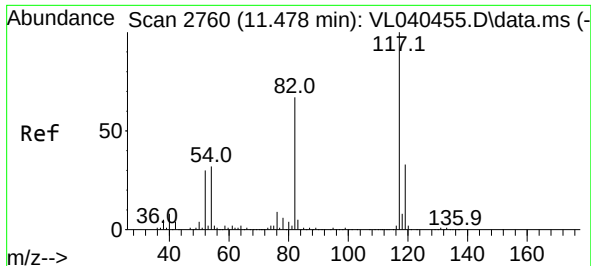
Tgt Ion: 43 Resp: 69025
Ion Ratio Lower Upper
43 100
58 52.7 37.1 55.7
98 1.5 0.5 0.7#



#52
Tetrachloroethene
Concen: 0.839 ppbv
RT: 10.629 min Scan# 2496
Delta R.T. 0.003 min
Lab File: VL040477.D
Acq: 15 Jun 2023 21:42

Tgt Ion: 164 Resp: 61550
Ion Ratio Lower Upper
164 100
166 123.4 102.7 154.1
129 97.4 84.6 126.8
131 104.5 85.1 127.7

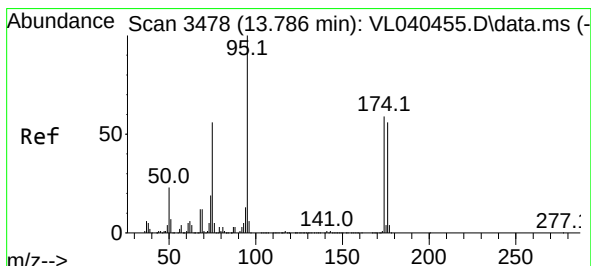
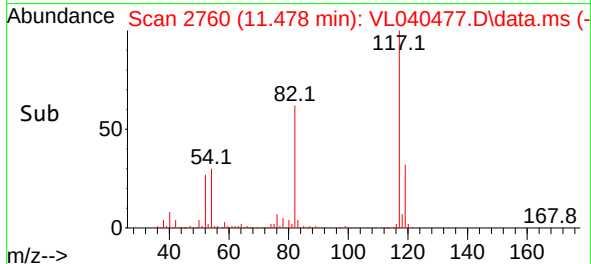
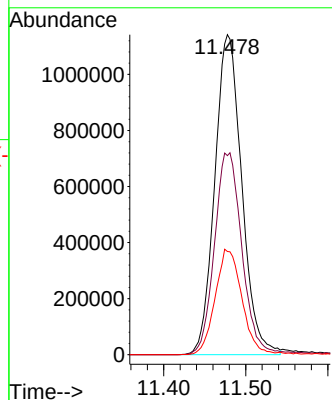
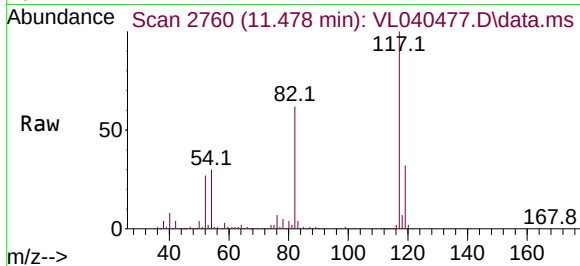




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL040477.D
Acq: 15 Jun 2023 21:42

Instrument :
MSVOA_1
ClientSampleId :
SVP-04DL

Tgt Ion:117 Resp: 2613771
Ion Ratio Lower Upper
117 100
82 65.1 53.0 79.4
119 32.9 24.4 36.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.361 ppbv
RT: 13.789 min Scan# 3479
Delta R.T. 0.003 min
Lab File: VL040477.D
Acq: 15 Jun 2023 21:42

Tgt Ion: 95 Resp: 2019382
Ion Ratio Lower Upper
95 100
174 65.9 47.7 71.5
175 4.7 3.5 5.3

