

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061523\
 Data File : VL040481.D
 Acq On : 16 Jun 2023 00:25
 Operator : SY/MD
 Sample : 03250-06DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-01DL

Quant Time: Jun 16 05:43:23 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)

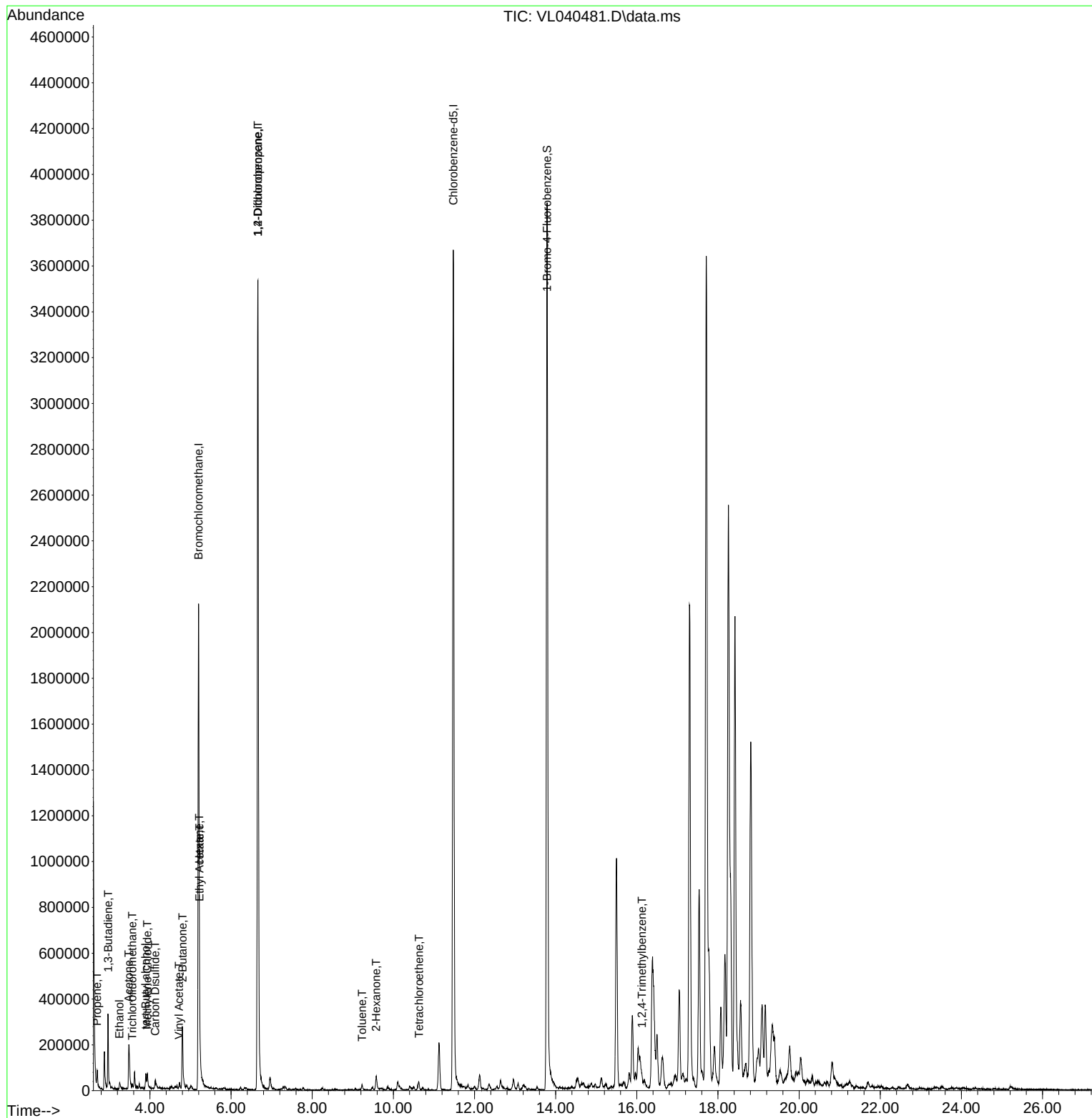
Internal Standards						
1) Bromochloromethane	5.198	49	1081917	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2827321	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2506399	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.789	95	1963261	9.491	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.900%
Target Compounds						
					Qvalue	
9) Propene	2.697	41	26220	0.480	ppbv	99
11) Trichlorofluoromethane	3.565	101	8004	0.042	ppbv	99
13) Ethanol	3.250	45	11005	0.973	ppbv #	1
15) Acetone	3.478	43	190556	1.460	ppbv #	34
16) 1,3-Butadiene	2.970	39	82640	1.301	ppbv #	14
17) tert-Butyl alcohol	3.896	59	54531	0.508	ppbv	96
20) Methylene Chloride	3.938	84	18512	0.332	ppbv #	80
23) Vinyl Acetate	4.719	43	3918	0.031	ppbv #	2
25) Ethyl Acetate	5.221	43	43956	0.186	ppbv #	77
26) Hexane	5.217	57	62102	0.555	ppbv #	43
27) Carbon Disulfide	4.131	76	36332	0.259	ppbv #	81
34) 2-Butanone	4.803	43	355518	2.608	ppbv	98
39) 1,2-Dichloropropane	6.661	63	686872	7.923	ppbv #	21
51) 2-Hexanone	9.574	43	44909	0.354	ppbv #	82
52) Tetrachloroethene	10.632	164	3718	0.053	ppbv #	16
53) Toluene	9.230	91	8432	0.036	ppbv #	47
74) 1,2,4-Trimethylbenzene	16.124	105	16994	0.055	ppbv #	61

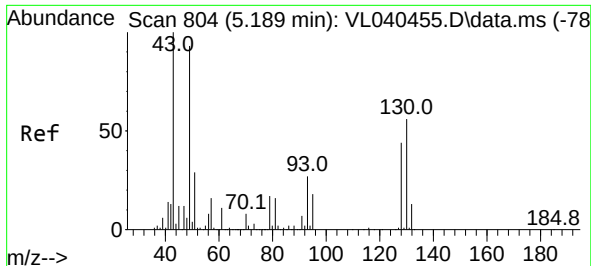
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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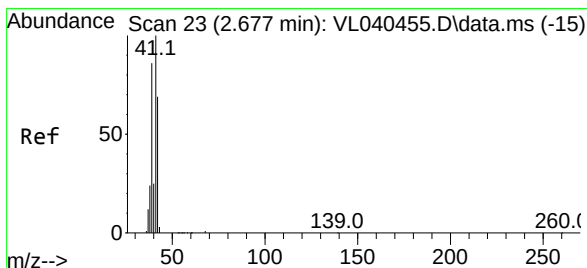
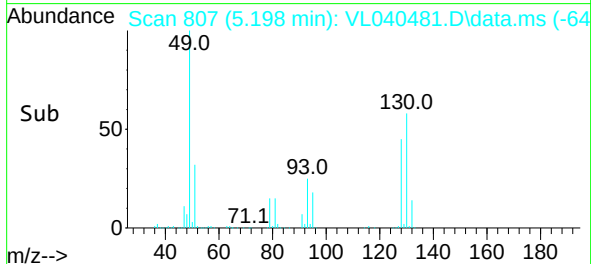
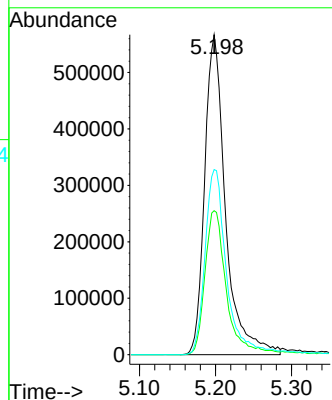
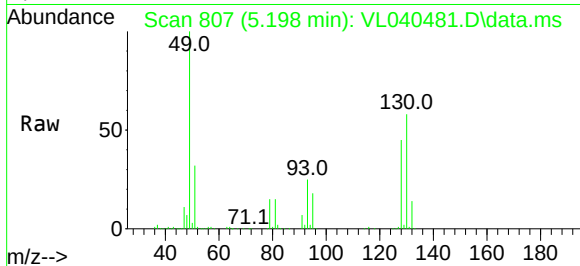




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.009 min
Lab File: VL040481.D
Acq: 16 Jun 2023 00:25

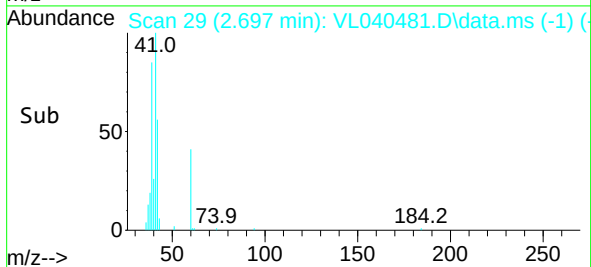
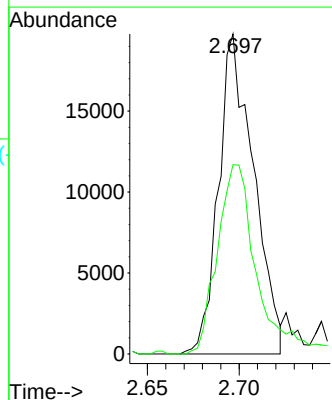
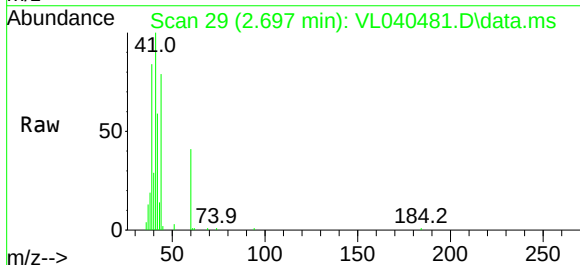
Instrument :
MSVOA_L
ClientSampleId :
SVP-01DL

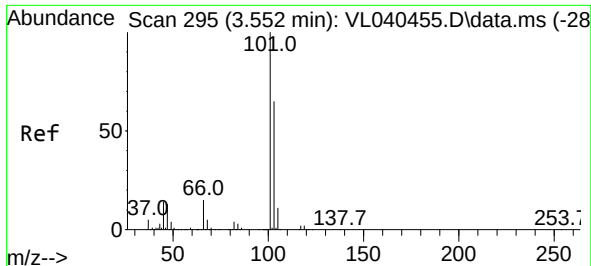
Tgt Ion: 49 Resp: 1081917
Ion Ratio Lower Upper
49 100
128 47.7 24.7 74.1
130 61.0 31.4 94.2



#9
Propene
Concen: 0.480 ppbv
RT: 2.697 min Scan# 29
Delta R.T. 0.019 min
Lab File: VL040481.D
Acq: 16 Jun 2023 00:25

Tgt Ion: 41 Resp: 26220
Ion Ratio Lower Upper
41 100
42 69.2 56.2 84.2

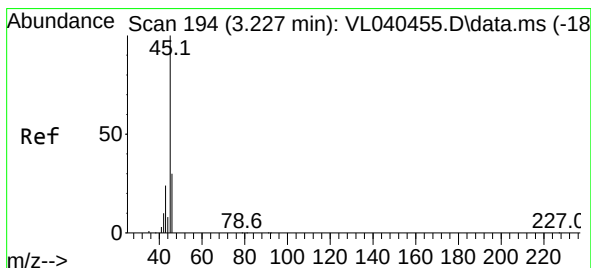
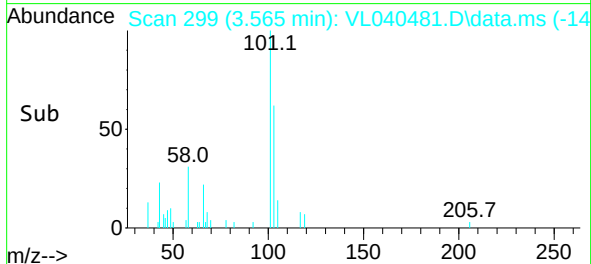
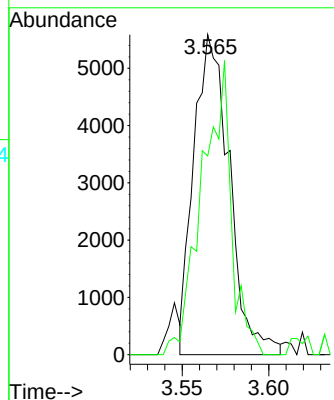
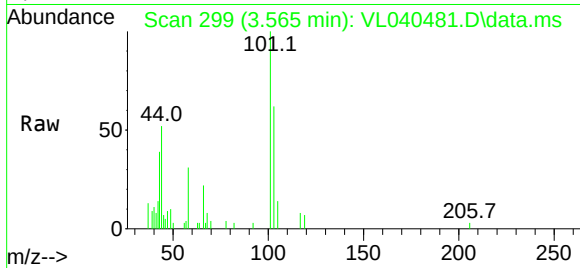




#11
 Trichlorofluoromethane
 Concen: 0.042 ppbv
 RT: 3.565 min Scan# 295
 Delta R.T. 0.013 min
 Lab File: VL040481.D
 Acq: 16 Jun 2023 00:25

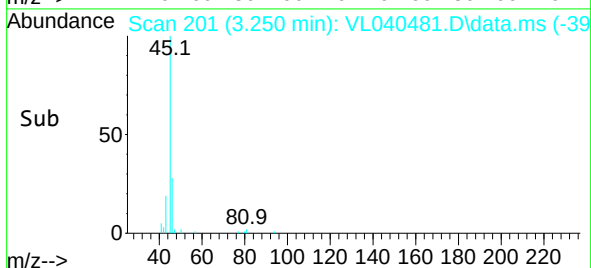
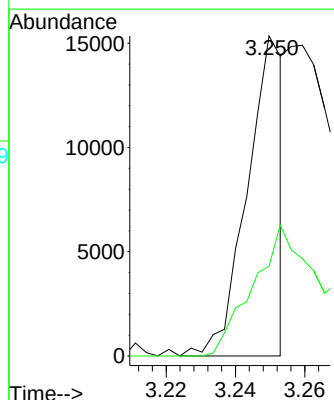
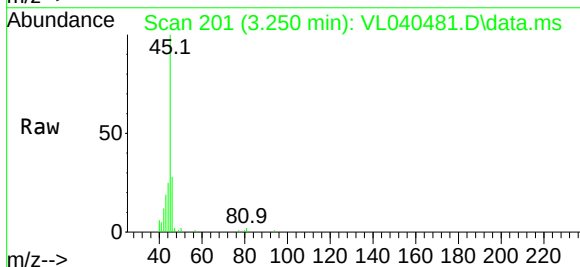
Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-01DL

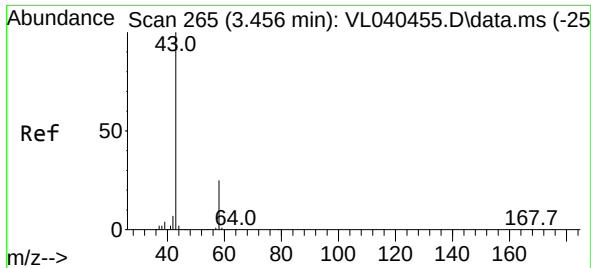
Tgt Ion:101 Resp: 8004
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.7 77.5



#13
 Ethanol
 Concen: 0.973 ppbv
 RT: 3.250 min Scan# 201
 Delta R.T. 0.022 min
 Lab File: VL040481.D
 Acq: 16 Jun 2023 00:25

Tgt Ion: 45 Resp: 11005
 Ion Ratio Lower Upper
 45 100
 46 109.0 14.5 58.1#





#15

Acetone

Concen: 1.460 ppbv

RT: 3.478 min Scan# 21

Delta R.T. 0.022 min

Lab File: VL040481.D

Acq: 16 Jun 2023 00:25

Instrument :

MSVOA_L

ClientSampleId :

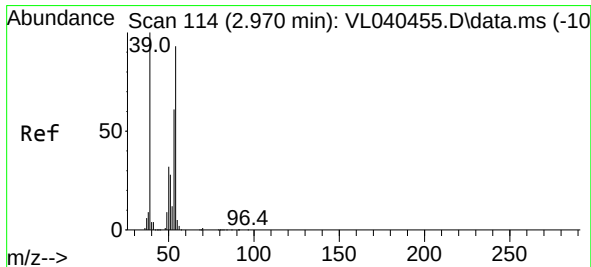
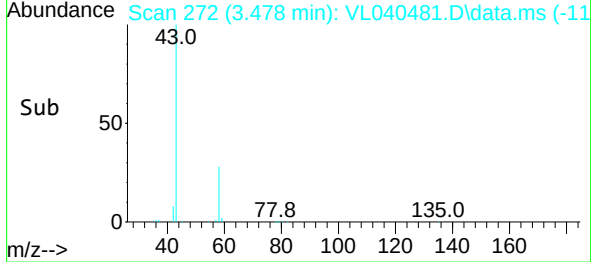
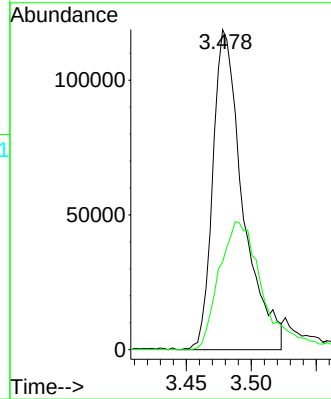
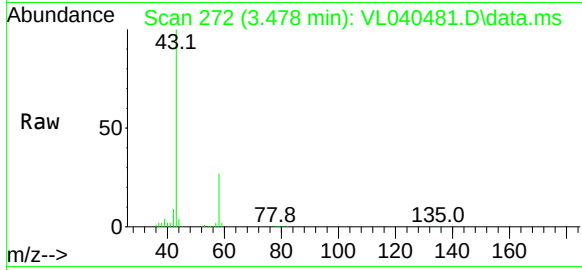
SVP-01DL

Tgt Ion: 43 Resp: 190556

Ion Ratio Lower Upper

43 100

58 60.9 21.6 32.4#



#16

1,3-Butadiene

Concen: 1.301 ppbv

RT: 2.970 min Scan# 114

Delta R.T. -0.000 min

Lab File: VL040481.D

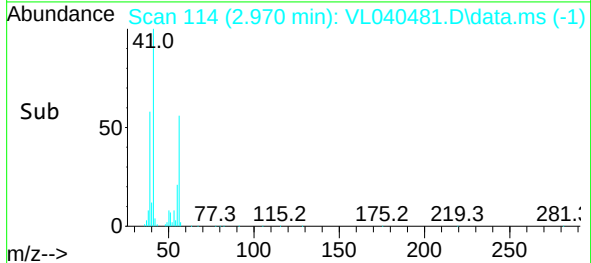
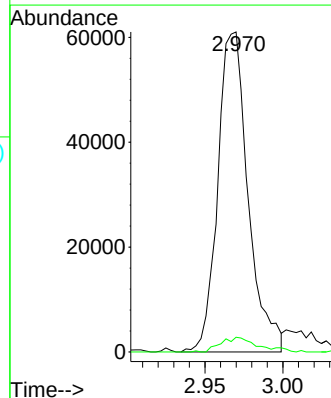
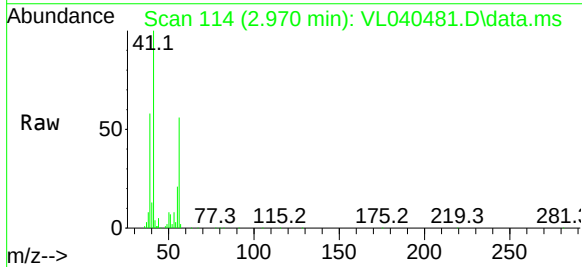
Acq: 16 Jun 2023 00:25

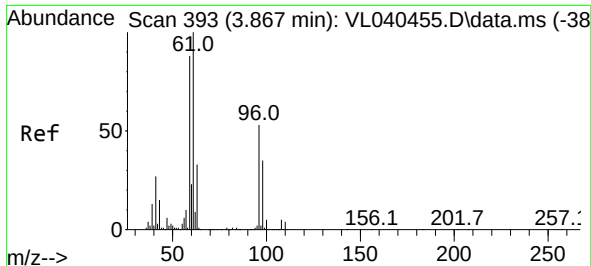
Tgt Ion: 39 Resp: 82640

Ion Ratio Lower Upper

39 100

54 5.7 66.9 100.3#





#17

tert-Butyl alcohol

Concen: 0.508 ppbv

RT: 3.896 min Scan# 402

Delta R.T. 0.029 min

Lab File: VL040481.D

Acq: 16 Jun 2023 00:25

Instrument :

MSVOA_L

ClientSampleId :

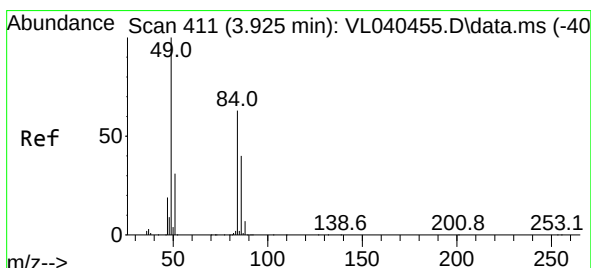
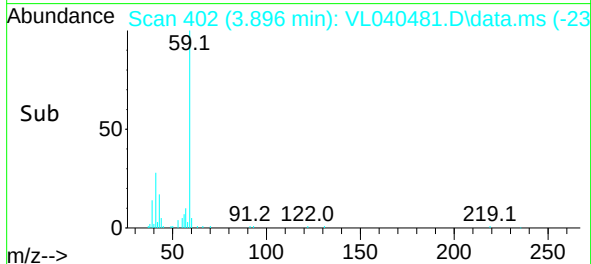
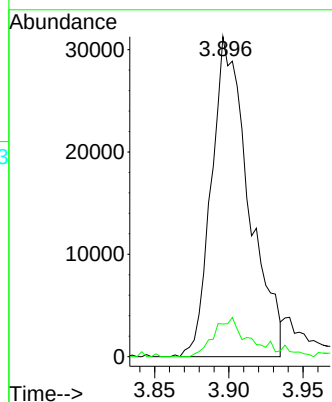
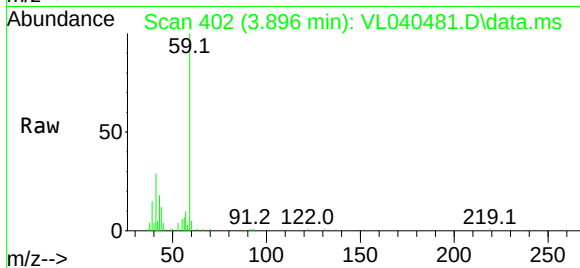
SVP-01DL

Tgt Ion: 59 Resp: 54531

Ion Ratio Lower Upper

59 100

57 12.4 8.8 13.2



#20

Methylene Chloride

Concen: 0.332 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.013 min

Lab File: VL040481.D

Acq: 16 Jun 2023 00:25

Tgt Ion: 84 Resp: 18512

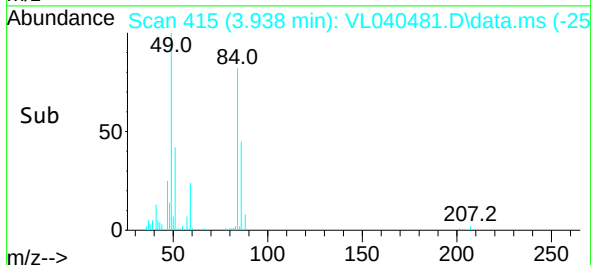
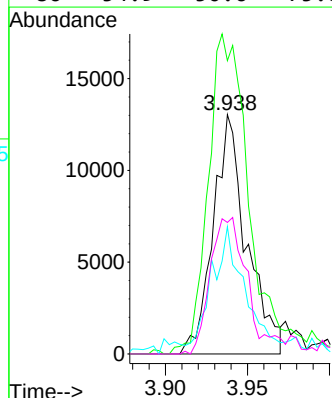
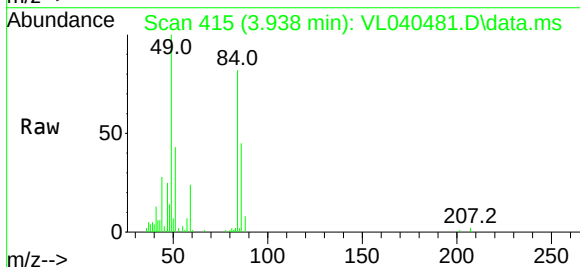
Ion Ratio Lower Upper

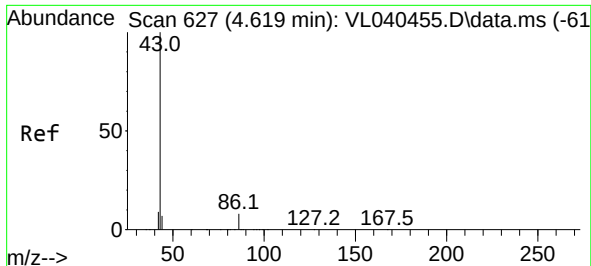
84 100

49 119.4 126.2 189.2#

51 49.1 38.7 58.1

86 54.9 50.6 75.8

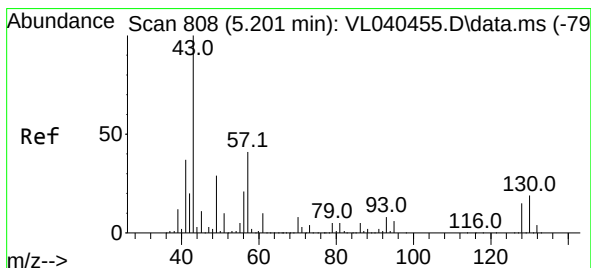
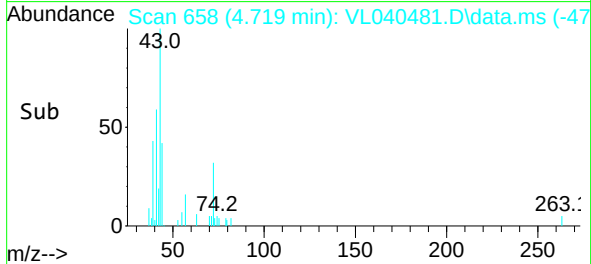
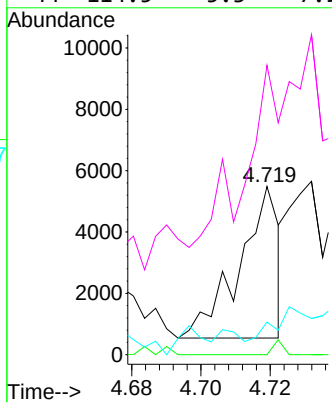
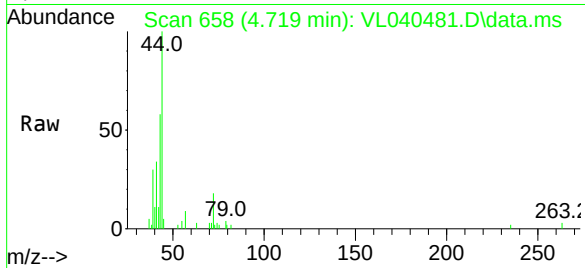




#23
 Vinyl Acetate
 Concen: 0.031 ppbv
 RT: 4.719 min Scan# 61
 Delta R.T. 0.100 min
 Lab File: VL040481.D
 Acq: 16 Jun 2023 00:25

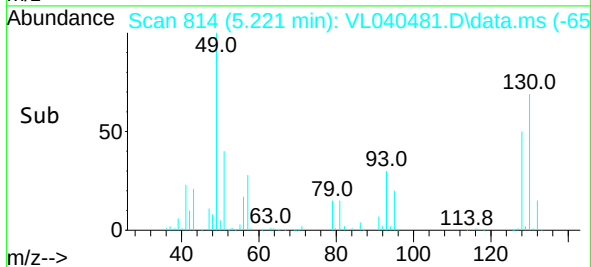
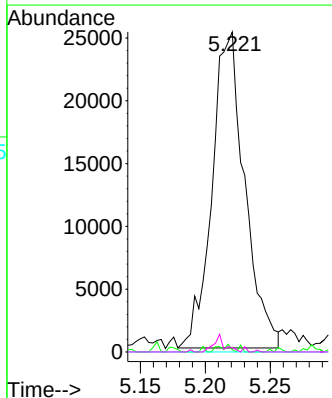
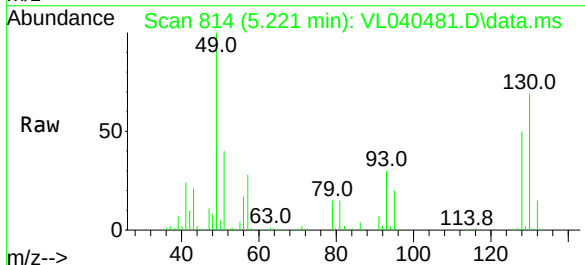
Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-01DL

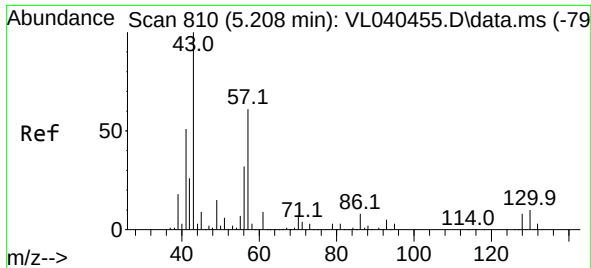
Tgt Ion: 43 Resp: 3918
 Ion Ratio Lower Upper
 43 100
 86 0.0 5.8 8.6#
 42 10.9 7.4 11.2
 44 114.5 5.3 7.9#



#25
 Ethyl Acetate
 Concen: 0.186 ppbv
 RT: 5.221 min Scan# 814
 Delta R.T. 0.019 min
 Lab File: VL040481.D
 Acq: 16 Jun 2023 00:25

Tgt Ion: 43 Resp: 43956
 Ion Ratio Lower Upper
 43 100
 45 1.0 8.0 12.0#
 61 0.0 8.1 12.1#
 70 2.1 5.8 8.6#

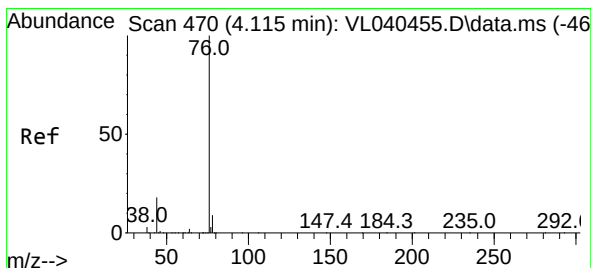
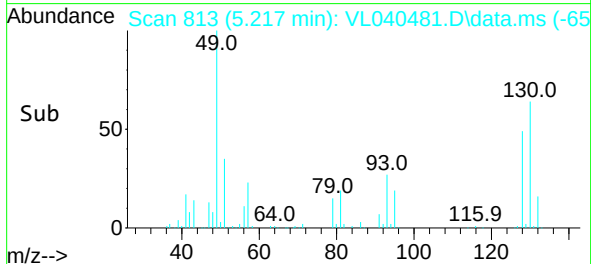
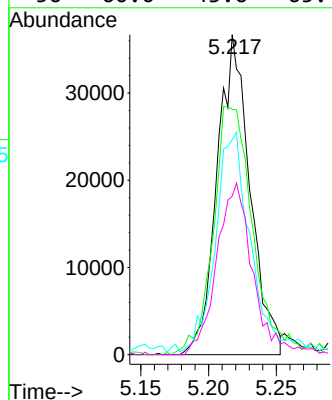
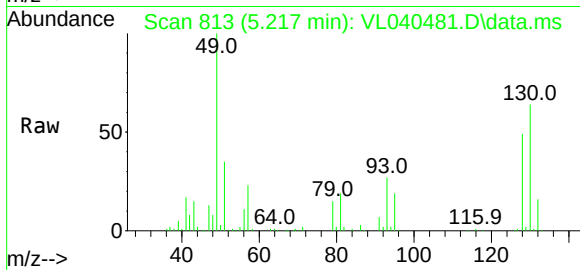




#26
Hexane
Concen: 0.555 ppbv
RT: 5.217 min Scan# 810
Delta R.T. 0.010 min
Lab File: VL040481.D
Acq: 16 Jun 2023 00:25

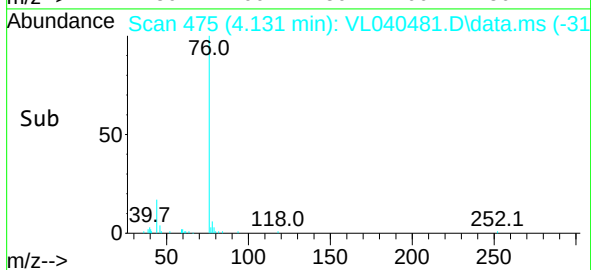
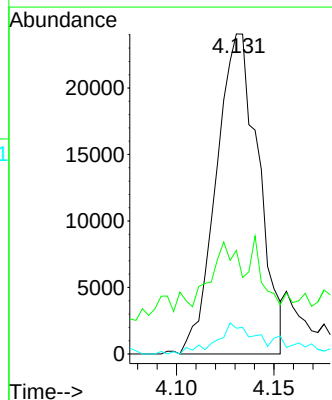
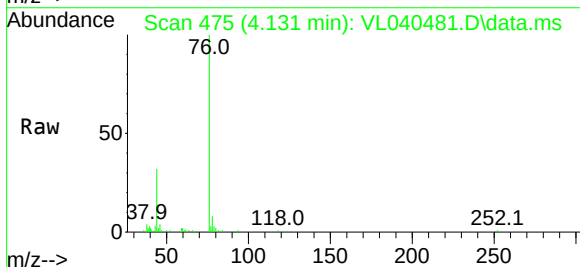
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SVP-01DL

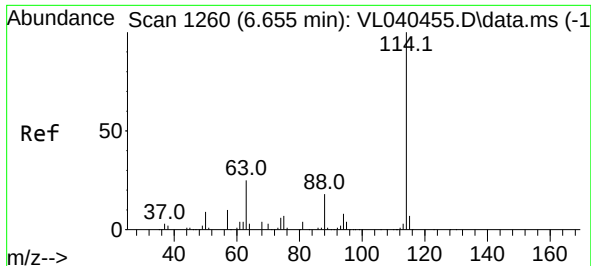
Tgt Ion: 57 Resp: 62102
Ion Ratio Lower Upper
57 100
41 94.0 73.0 109.6
43 74.1 177.5 266.3#
56 60.0 43.6 65.4



#27
Carbon Disulfide
Concen: 0.259 ppbv
RT: 4.131 min Scan# 475
Delta R.T. 0.016 min
Lab File: VL040481.D
Acq: 16 Jun 2023 00:25

Tgt Ion: 76 Resp: 36332
Ion Ratio Lower Upper
76 100
44 28.4 14.6 22.0#
78 14.1 7.6 11.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 114

Delta R.T. 0.003 min

Lab File: VL040481.D

Acq: 16 Jun 2023 00:25

Instrument :

MSVOA_L

ClientSampleId :

SVP-01DL

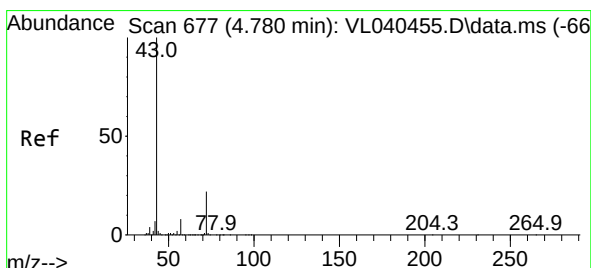
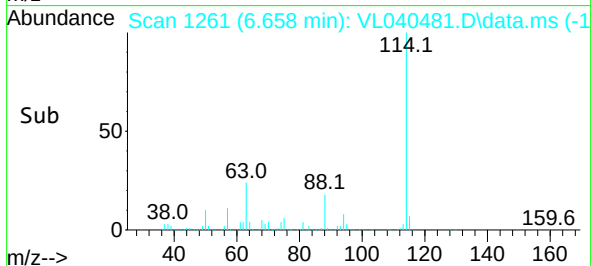
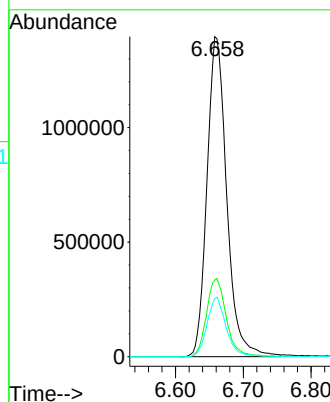
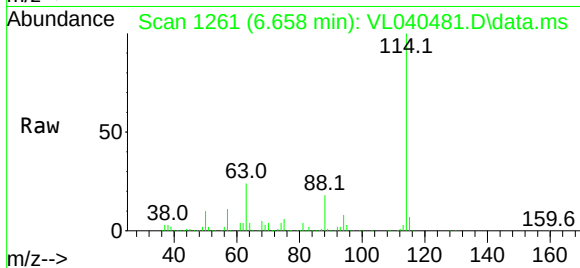
Tgt Ion:114 Resp: 2827321

Ion Ratio Lower Upper

114 100

63 24.8 21.0 31.6

88 18.1 14.5 21.7



#34

2-Butanone

Concen: 2.608 ppbv

RT: 4.803 min Scan# 684

Delta R.T. 0.022 min

Lab File: VL040481.D

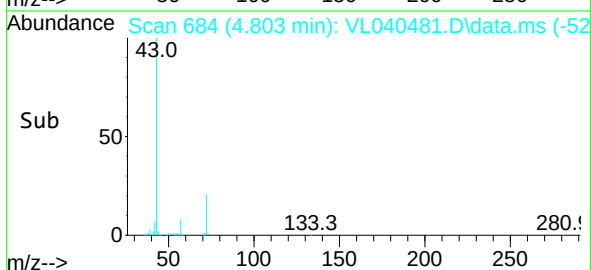
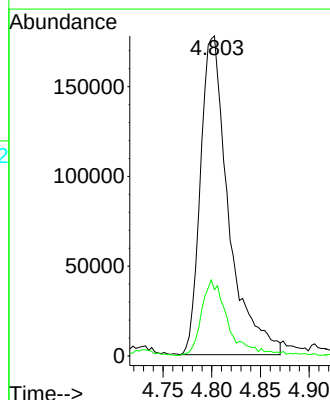
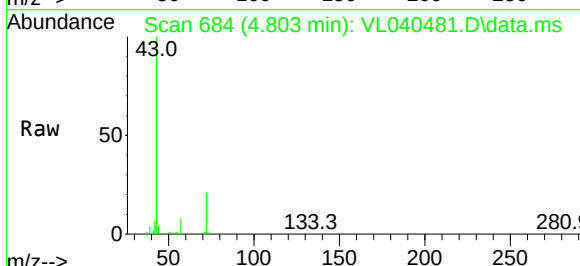
Acq: 16 Jun 2023 00:25

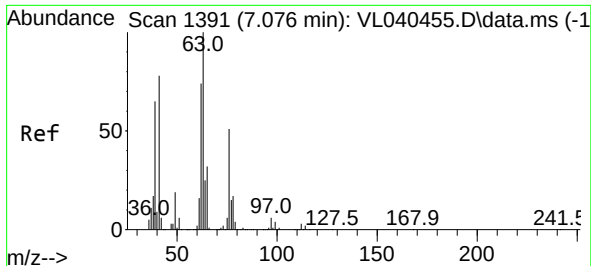
Tgt Ion: 43 Resp: 355518

Ion Ratio Lower Upper

43 100

72 23.5 18.1 27.1





#39

1,2-Dichloropropane

Concen: 7.923 ppbv

RT: 6.661 min Scan# 11

Delta R.T. -0.415 min

Lab File: VL040481.D

Acq: 16 Jun 2023 00:25

Instrument :

MSVOA_1

ClientSampleId :

SVP-01DL

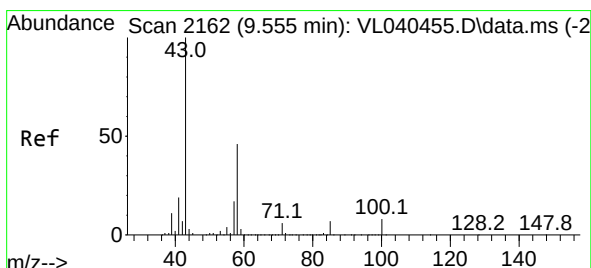
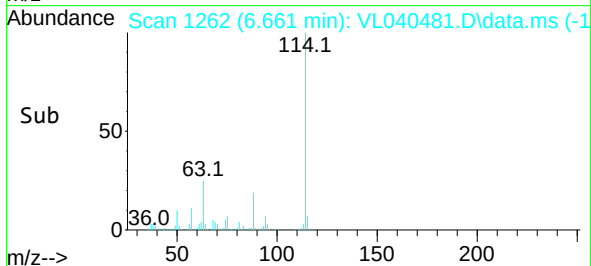
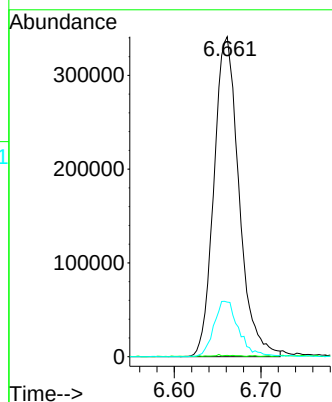
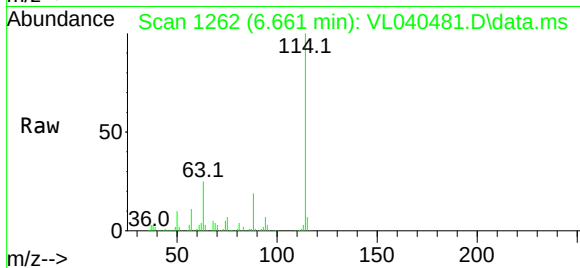
Tgt Ion: 63 Resp: 686872

Ion Ratio Lower Upper

63 100

41 0.1 62.2 93.2#

62 17.1 59.0 88.4#



#51

2-Hexanone

Concen: 0.354 ppbv

RT: 9.574 min Scan# 2168

Delta R.T. 0.019 min

Lab File: VL040481.D

Acq: 16 Jun 2023 00:25

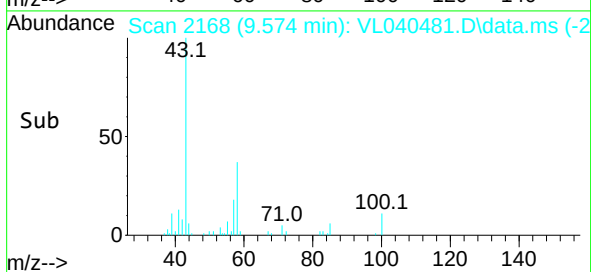
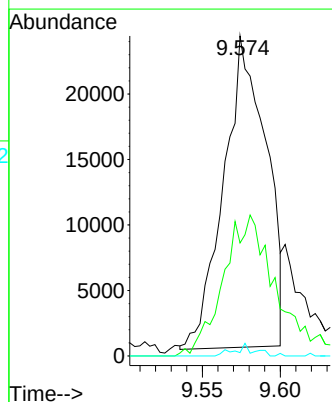
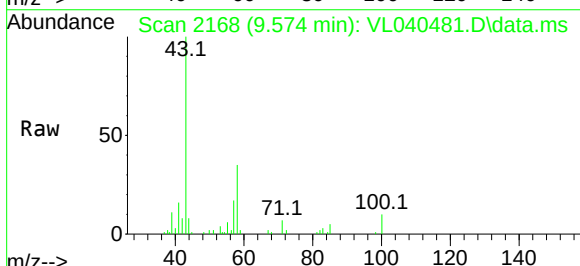
Tgt Ion: 43 Resp: 44909

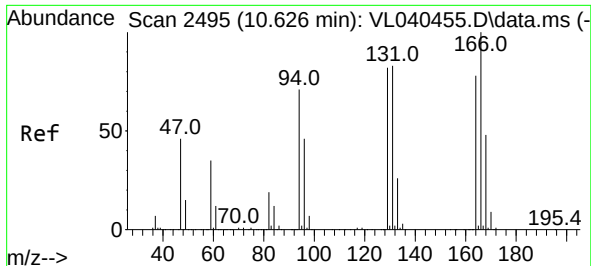
Ion Ratio Lower Upper

43 100

58 58.6 37.1 55.7#

98 1.9 0.5 0.7#

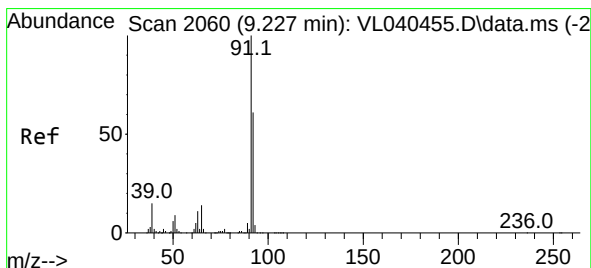
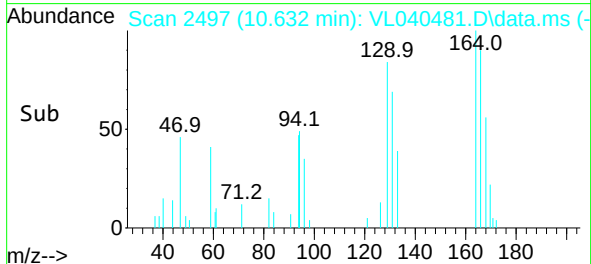
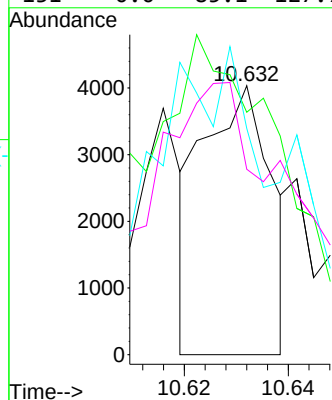
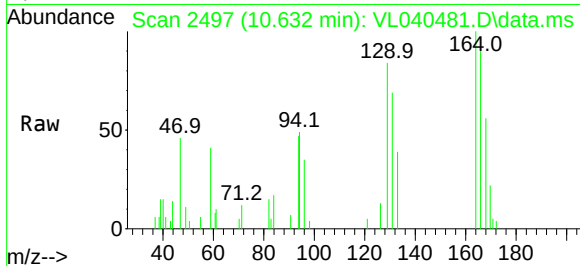




#52
Tetrachloroethene
Concen: 0.053 ppbv
RT: 10.632 min Scan# 2495
Delta R.T. 0.006 min
Lab File: VL040481.D
Acq: 16 Jun 2023 00:25

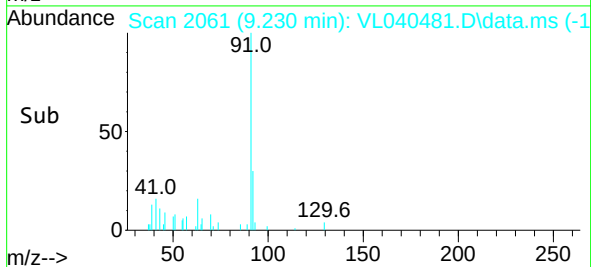
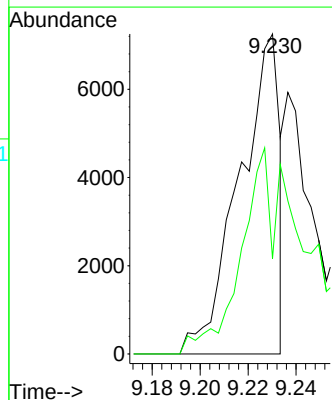
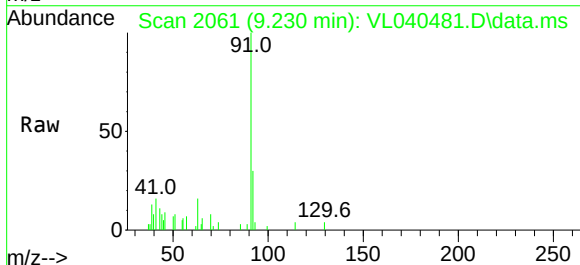
Instrument :
MSVOA_L
ClientSampleId :
SVP-01DL

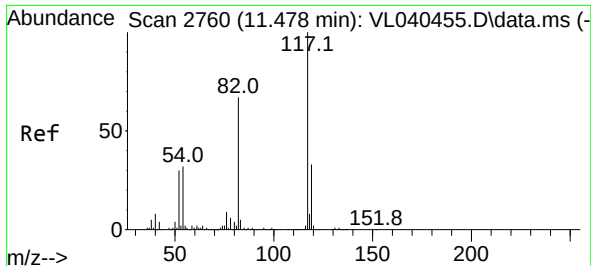
Tgt Ion:164 Resp: 3718
Ion Ratio Lower Upper
164 100
166 21.6 102.7 154.1#
129 49.3 84.6 126.8#
131 0.0 85.1 127.7#



#53
Toluene
Concen: 0.036 ppbv
RT: 9.230 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VL040481.D
Acq: 16 Jun 2023 00:25

Tgt Ion: 91 Resp: 8432
Ion Ratio Lower Upper
91 100
92 102.2 49.1 73.7#

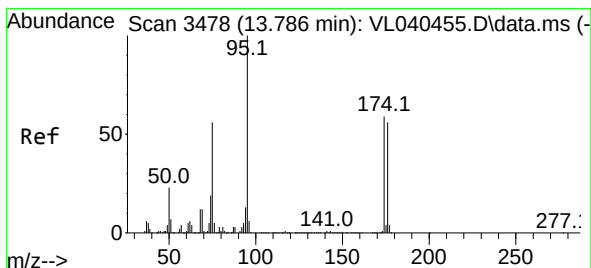
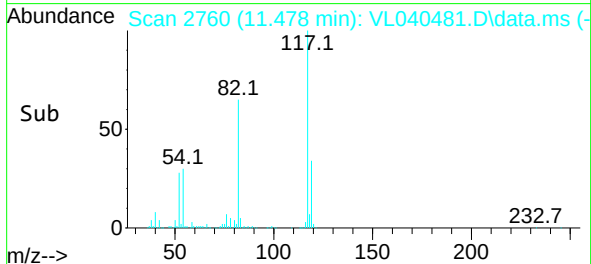
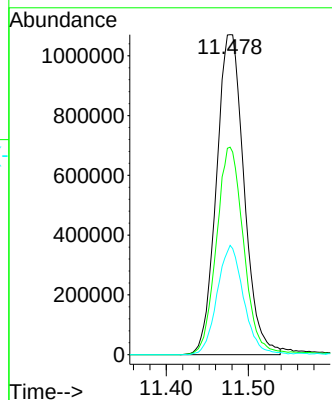
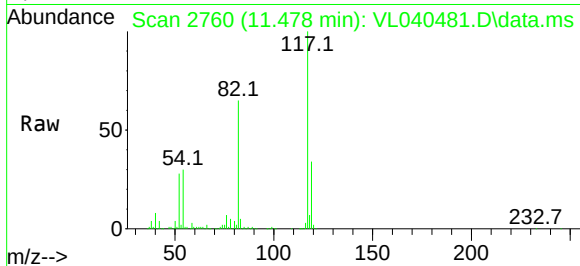




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL040481.D
Acq: 16 Jun 2023 00:25

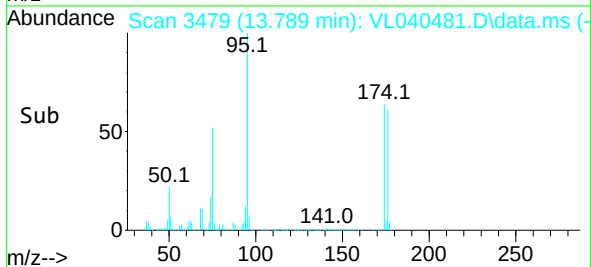
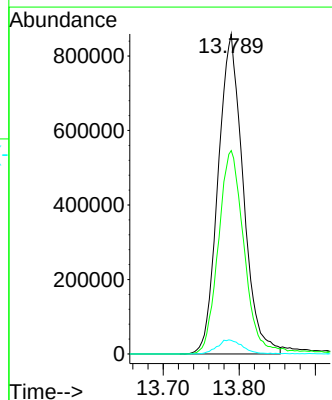
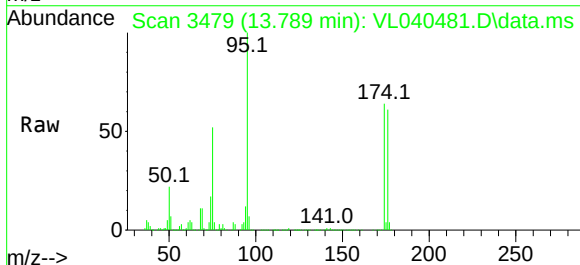
Instrument :
MSVOA_L
ClientSampleId :
SVP-01DL

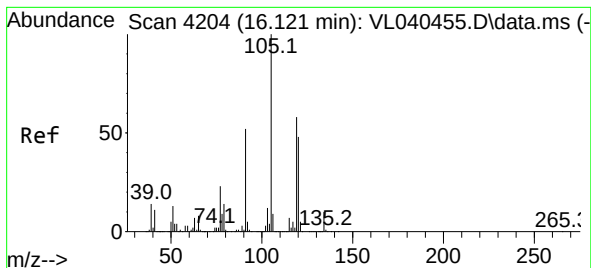
Tgt Ion:117 Resp: 2506399
Ion Ratio Lower Upper
117 100
82 64.6 53.0 79.4
119 33.3 24.4 36.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.491 ppbv
RT: 13.789 min Scan# 3479
Delta R.T. 0.003 min
Lab File: VL040481.D
Acq: 16 Jun 2023 00:25

Tgt Ion: 95 Resp: 1963261
Ion Ratio Lower Upper
95 100
174 66.8 47.7 71.5
175 4.6 3.5 5.3





#74

1,2,4-Trimethylbenzene

Concen: 0.055 ppbv

RT: 16.124 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040481.D

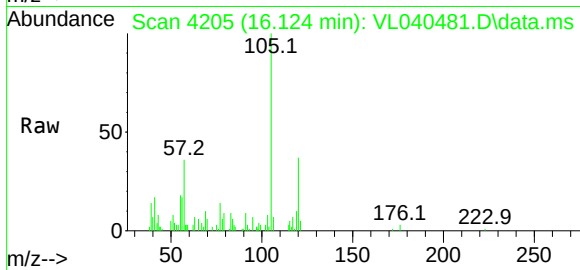
Acq: 16 Jun 2023 00:25

Instrument :

MSVOA_L

ClientSampleId :

SVP-01DL



Tgt Ion:105 Resp: 16994

Ion Ratio Lower Upper

105 100

120 33.8 38.4 57.6#

91 7.4 41.3 61.9#

77 12.9 18.6 28.0#

