

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021623\
 Data File : VL040184.D
 Acq On : 16 Feb 2023 18:48
 Operator : SY/MD
 Sample : 01550-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-03

Quant Time: Feb 17 03:31:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 15 17:01:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	827316	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2077500	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	1920722	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1517067	9.605	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.713	85	24073	0.156	ppbv	94
3) Chlorodifluoromethane	2.661	51	25342	0.256	ppbv #	85
4) Chloromethane	2.803	50	6018	0.097	ppbv #	83
6) Bromomethane	3.102	94	408	0.023	ppbv	97
7) Chloroethane	3.185	64	399	0.020	ppbv #	79
9) Propene	2.857	41	496295	12.319	ppbv	90
10) Heptane	7.577	43	256618	2.676	ppbv	98
11) Trichlorofluoromethane	3.552	101	74409	0.538	ppbv	88
12) 1,1,2-Trichlorotrifluo...	4.057	101	6140	0.060	ppbv #	81
13) Ethanol	3.227	45	17348	4.678	ppbv #	41
15) Acetone	3.452	43	3044642	30.568	ppbv #	78
16) 1,3-Butadiene	2.954	39	179562	3.948	ppbv #	28
17) tert-Butyl alcohol	3.867	59	351563	3.870	ppbv #	1
19) Isopropyl Alcohol	3.568	45	52515	1.109	ppbv #	90
20) Methylene Chloride	3.925	84	240103	4.631	ppbv	97
21) Allyl Chloride	3.947	41	62959	1.031	ppbv #	41
23) Vinyl Acetate	4.597	43	217489	7.195	ppbv #	1
25) Ethyl Acetate	5.208	43	913872	4.936	ppbv #	75
26) Hexane	5.208	57	1347571	16.953	ppbv #	36
27) Carbon Disulfide	4.115	76	49922	0.495	ppbv #	82
29) Chloroform	5.266	83	36483	0.267	ppbv	88
30) Cyclohexane	6.600	84	10427	0.167	ppbv #	55
32) 1,1,1-Trichloroethane	5.996	97	3708	0.029	ppbv #	61
34) 2-Butanone	4.777	43	428802	4.184	ppbv	95
36) Benzene	6.368	78	115447	0.714	ppbv	93
37) 1,2-Dichloroethane	5.803	62	2497	0.025	ppbv #	82
39) 1,2-Dichloropropane	6.645	63	516804	8.217	ppbv #	25
41) Tetrahydrofuran	5.812	42	57545	0.969	ppbv #	36
42) Bromodichloromethane	7.249	83	6931	0.050	ppbv #	45
44) 2,2,4-Trimethylpentane	7.323	57	133381	0.494	ppbv #	40
50) 4-Methyl-2-Pentanone	8.182	43	5101	0.032	ppbv #	38
51) 2-Hexanone	9.552	43	306070	2.501	ppbv #	92
52) Tetrachloroethene	10.622	164	8086	0.160	ppbv #	61
53) Toluene	9.220	91	693042	4.002	ppbv	99
58) Ethyl Benzene	12.092	91	255356	1.094	ppbv	99
59) m/p-Xylene	12.346	91	842437	4.076	ppbv	96
60) o-Xylene	13.063	91	357735	1.799	ppbv	99
61) Styrene	12.902	104	2946	0.028	ppbv #	1
62) Isopropylbenzene	14.031	105	23701	0.083	ppbv #	83
64) n-propylbenzene	14.924	120	10319	0.146	ppbv #	1
65) tert-Butylbenzene	16.111	119	30706	0.124	ppbv #	1
66) Benzyl Chloride	16.310	91	668	0.040	ppbv #	48
67) sec-Butylbenzene	16.641	105	9460	0.027	ppbv #	50

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Quant Time: Feb 17 03:31:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 15 17:01:01 2023
 Response via : Initial Calibration

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

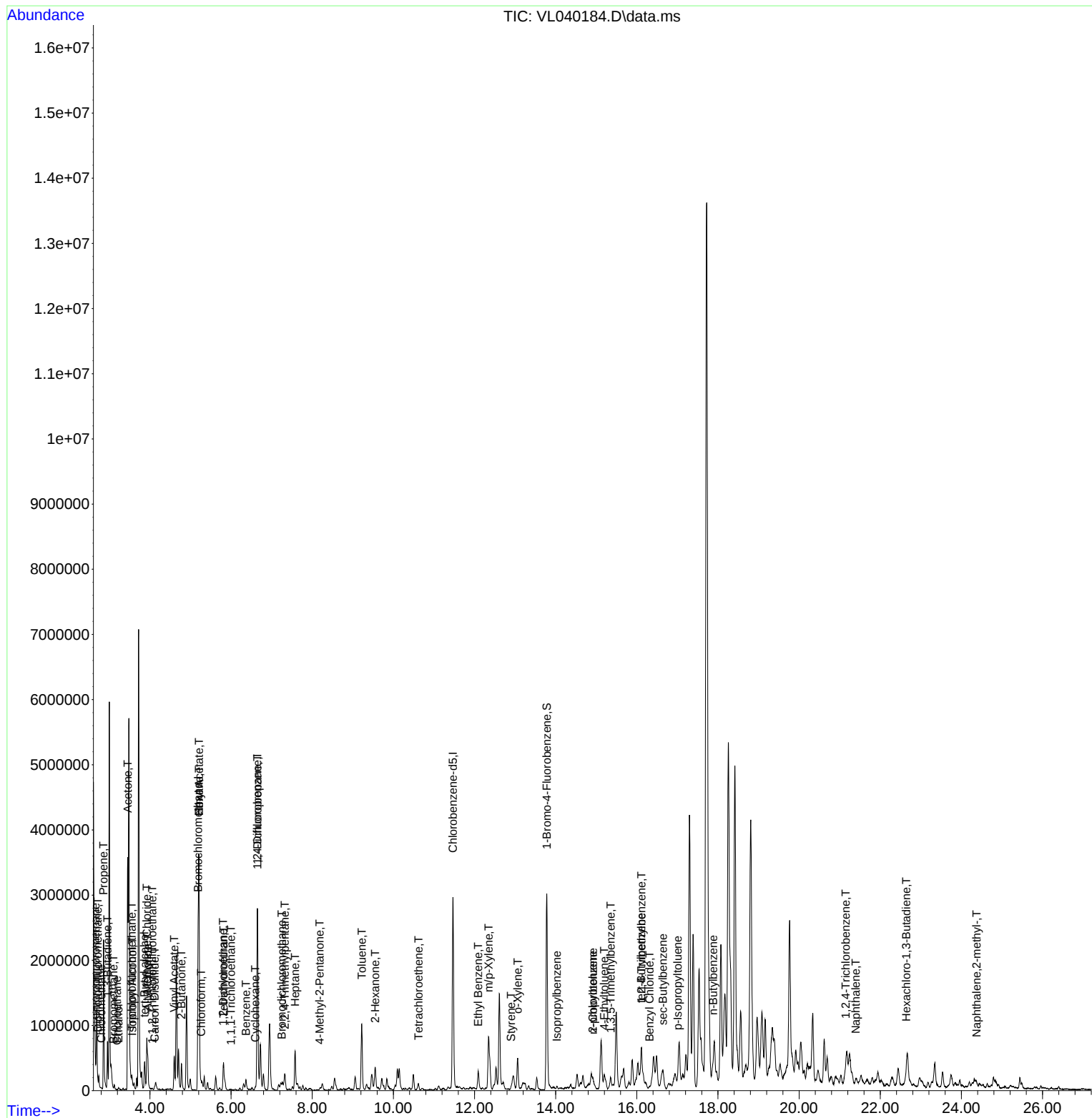
69) p-Isopropyltoluene	17.005	119	13293	0.047	ppbv #	57
70) n-Butylbenzene	17.883	91	14557	0.048	ppbv #	33
71) 2-Chlorotoluene	14.915	91	61929	0.284	ppbv #	51
72) 4-Ethyltoluene	15.198	105	150276	0.684	ppbv	98
73) 1,3,5-Trimethylbenzene	15.355	105	70247	0.343	ppbv	90
74) 1,2,4-Trimethylbenzene	16.114	105	472130	2.101	ppbv #	68
78) Hexachloro-1,3-Butadiene	22.641	225	2272	0.027	ppbv #	18
79) Naphthalene	21.400	128	31096	0.246	ppbv #	91
80) Naphthalene,2-methyl-	24.374	142	26583	0.740	ppbv	85
81) 1,2,4-Trichlorobenzene	21.149	180	1975	0.025	ppbv #	1

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

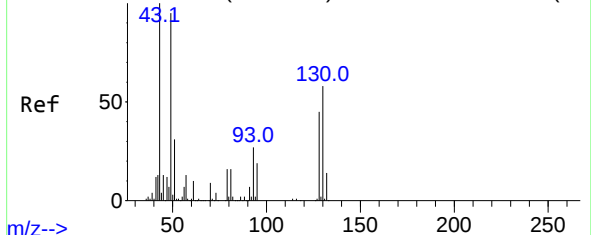
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021623\
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Abundance Scan 801 (5.179 min): VL040169.D\data.ms (-78)



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.185 min Scan# 80

Delta R.T. 0.006 min

Lab File: VL040184.D

Acq: 16 Feb 2023 18:48

Instrument :

MSVOA_L

ClientSampleId :

SVP-03

Tgt Ion: 49 Resp: 827316

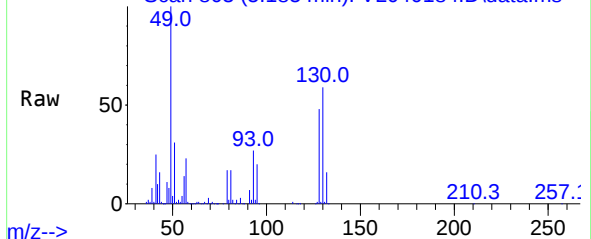
Ion Ratio Lower Upper

49 100

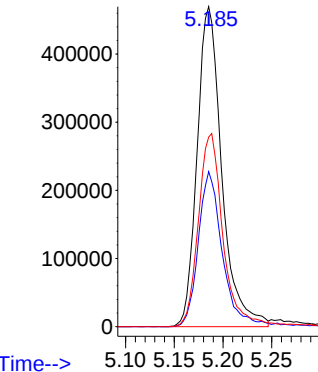
128 48.0 24.1 72.3

130 61.5 30.9 92.8

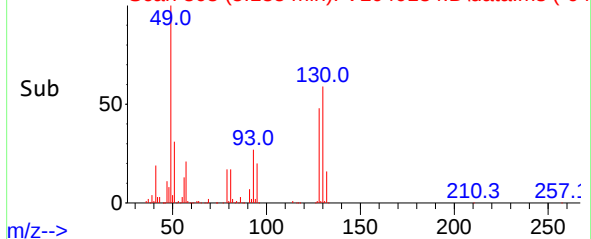
Abundance Scan 803 (5.185 min): VL040184.D\data.ms



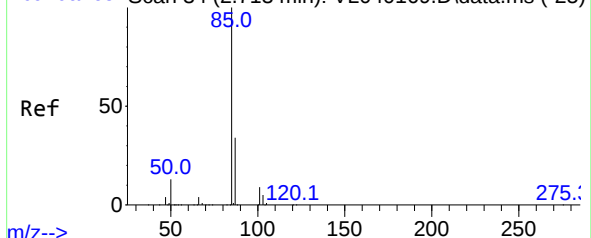
Abundance



Abundance Scan 803 (5.185 min): VL040184.D\data.ms (-64)



Abundance Scan 34 (2.713 min): VL040169.D\data.ms (-25)



#2

Dichlorodifluoromethane

Concen: 0.156 ppbv

RT: 2.713 min Scan# 34

Delta R.T. -0.000 min

Lab File: VL040184.D

Acq: 16 Feb 2023 18:48

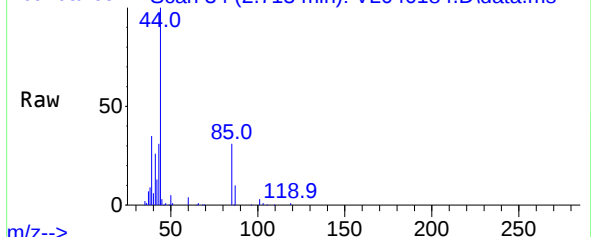
Tgt Ion: 85 Resp: 24073

Ion Ratio Lower Upper

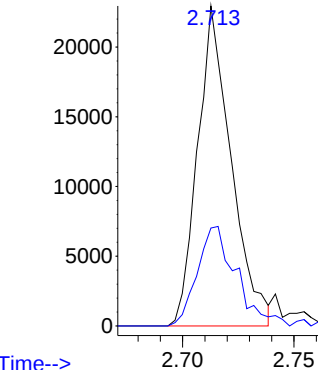
85 100

87 30.6 27.0 40.6

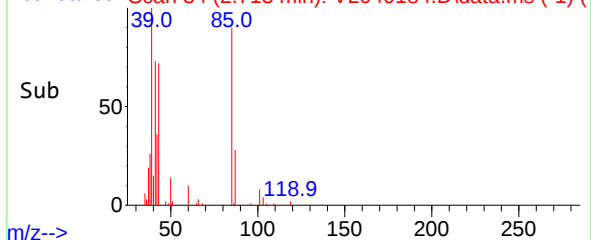
Abundance Scan 34 (2.713 min): VL040184.D\data.ms

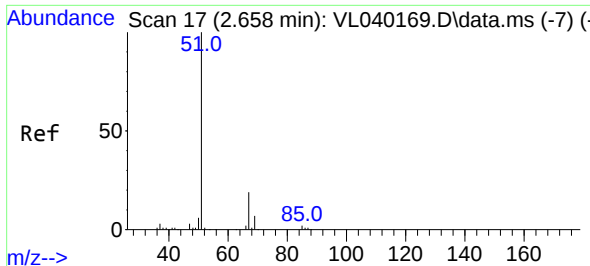


Abundance



Abundance Scan 34 (2.713 min): VL040184.D\data.ms (-1)

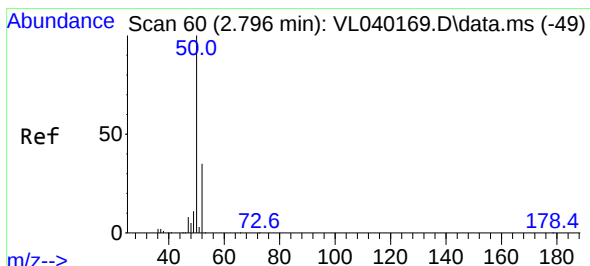
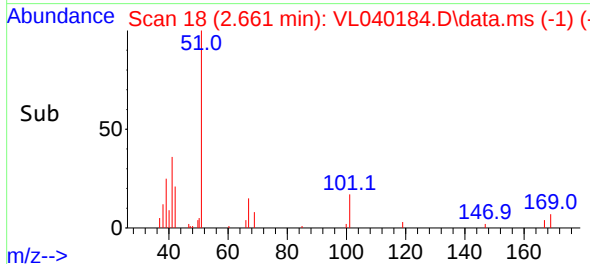
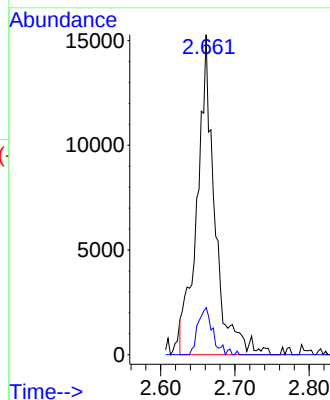
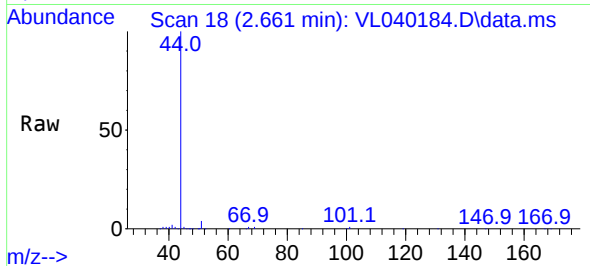




#3
Chlorodifluoromethane
Concen: 0.256 ppbv
RT: 2.661 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

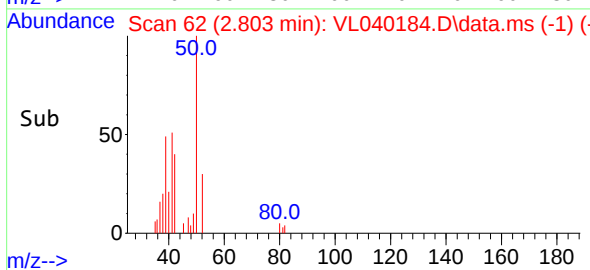
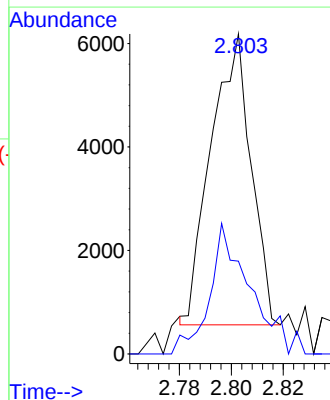
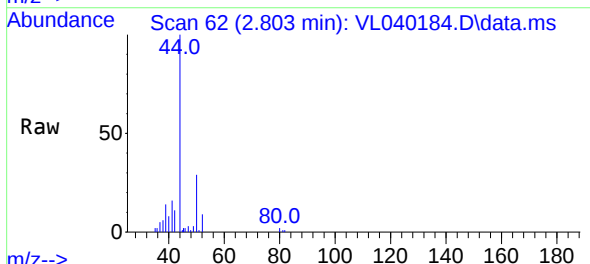
Instrument :
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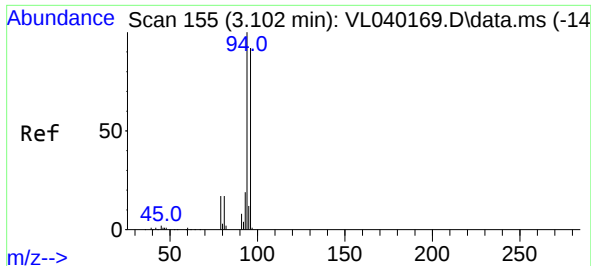
Tgt Ion: 51 Resp: 25342
Ion Ratio Lower Upper
51 100
67 12.4 15.4 23.2#



#4
Chloromethane
Concen: 0.097 ppbv
RT: 2.803 min Scan# 62
Delta R.T. 0.006 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

Tgt Ion: 50 Resp: 6018
Ion Ratio Lower Upper
50 100
52 25.4 28.3 42.5#

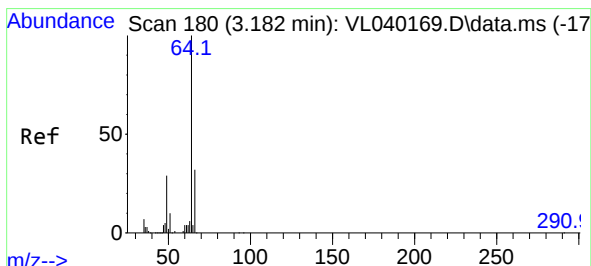
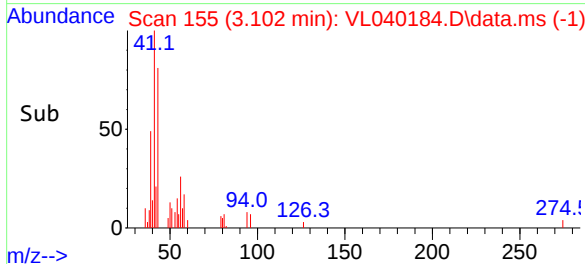
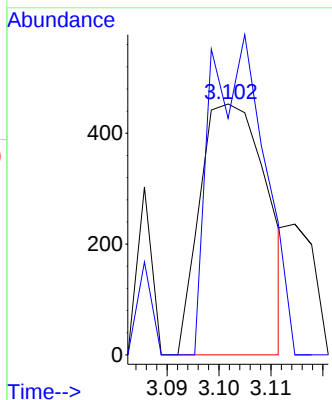
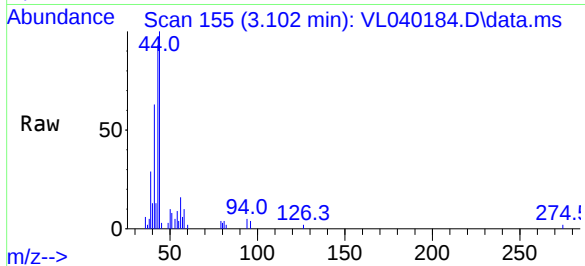




#6
Bromomethane
Concen: 0.023 ppbv
RT: 3.102 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

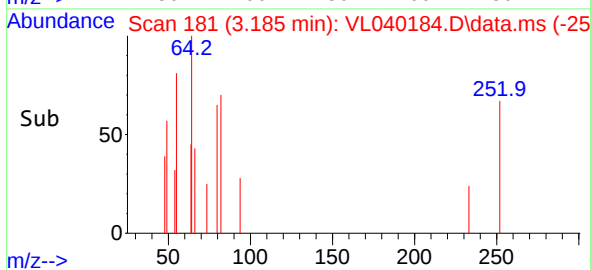
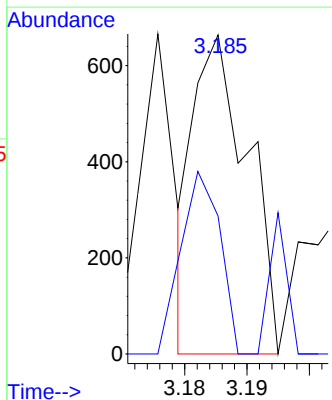
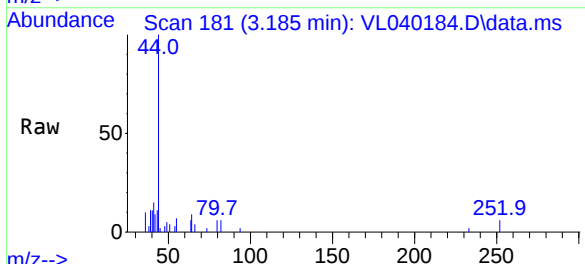
Instrument :
MSVOA_L
ClientSampleId :
SVP-03

Tgt Ion: 94 Resp: 408
Ion Ratio Lower Upper
94 100
96 94.3 73.4 110.2

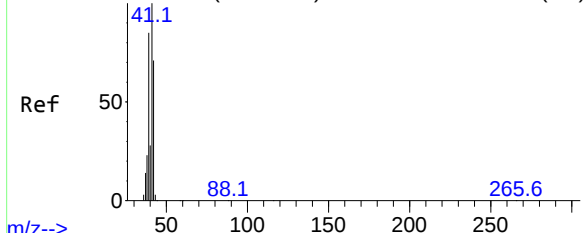


#7
Chloroethane
Concen: 0.020 ppbv
RT: 3.185 min Scan# 181
Delta R.T. 0.003 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

Tgt Ion: 64 Resp: 399
Ion Ratio Lower Upper
64 100
66 43.2 25.4 38.2#



Abundance Scan 23 (2.677 min): VL040169.D\data.ms (-13)



#9

Propene

Concen: 12.319 ppbv

RT: 2.857 min Scan# 79

Delta R.T. 0.180 min

Lab File: VL040184.D

Acq: 16 Feb 2023 18:48

Instrument :

MSVOA_L

ClientSampleId :

SVP-03

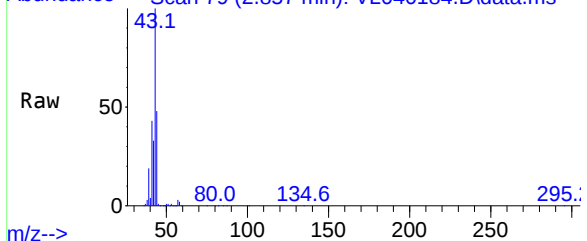
Tgt Ion: 41 Resp: 496295

Ion Ratio Lower Upper

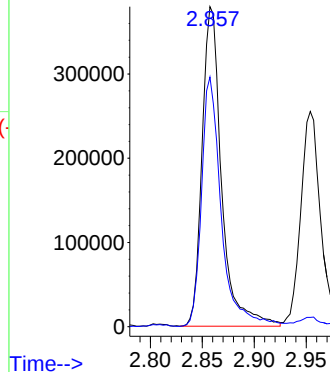
41 100

42 79.4 56.9 85.3

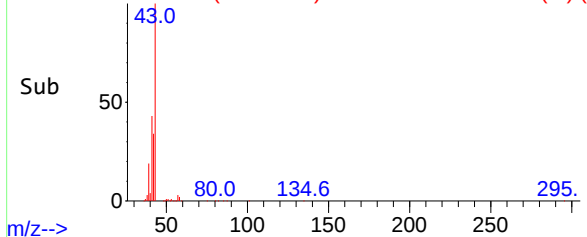
Abundance Scan 79 (2.857 min): VL040184.D\data.ms



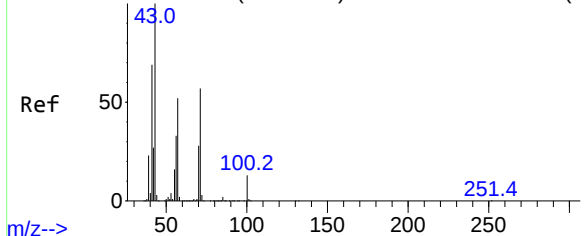
Abundance



Abundance Scan 79 (2.857 min): VL040184.D\data.ms (-1)



Abundance Scan 1545 (7.571 min): VL040169.D\data.ms (-1)



#10

Heptane

Concen: 2.676 ppbv

RT: 7.577 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VL040184.D

Acq: 16 Feb 2023 18:48

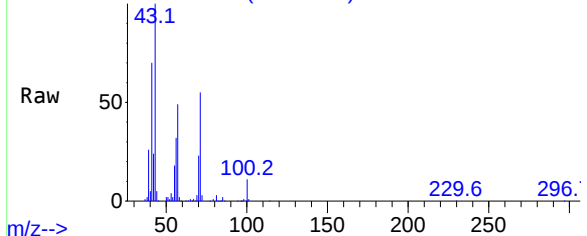
Tgt Ion: 43 Resp: 256618

Ion Ratio Lower Upper

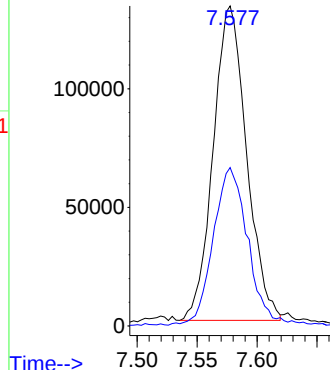
43 100

57 53.4 41.4 62.2

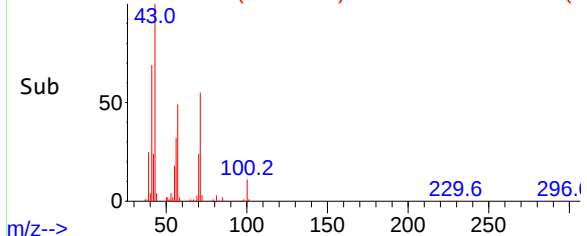
Abundance Scan 1547 (7.577 min): VL040184.D\data.ms

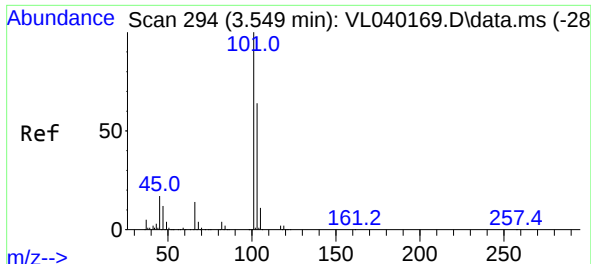


Abundance



Abundance Scan 1547 (7.577 min): VL040184.D\data.ms (-1)

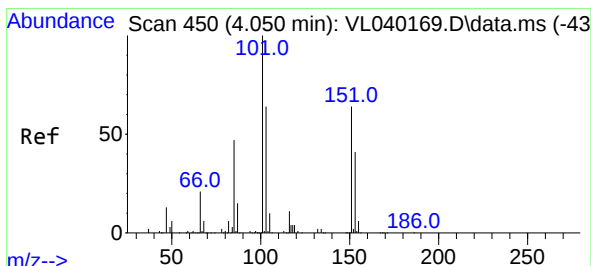
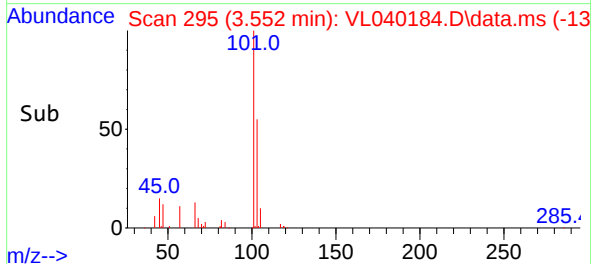
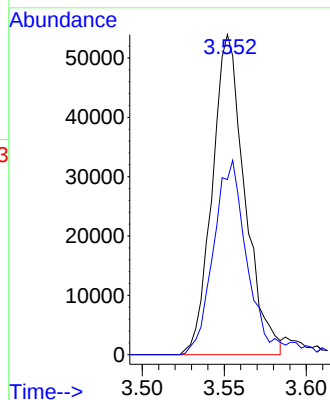
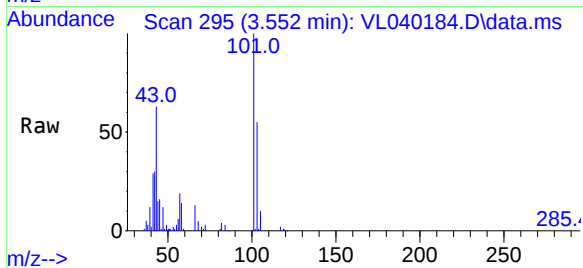




#11
 Trichlorofluoromethane
 Concen: 0.538 ppbv
 RT: 3.552 min Scan# 294
 Delta R.T. 0.003 min
 Lab File: VL040184.D
 Acq: 16 Feb 2023 18:48

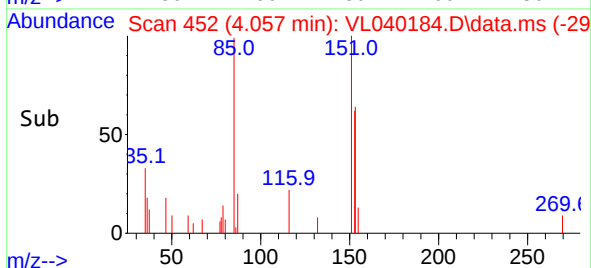
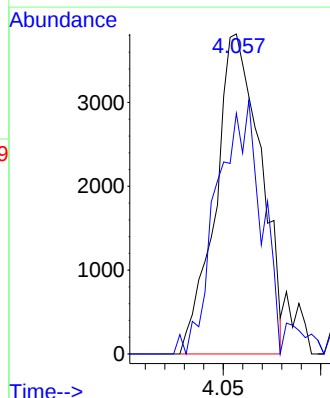
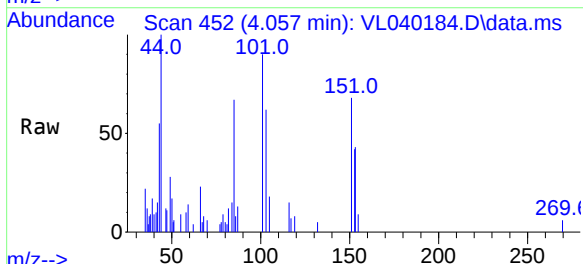
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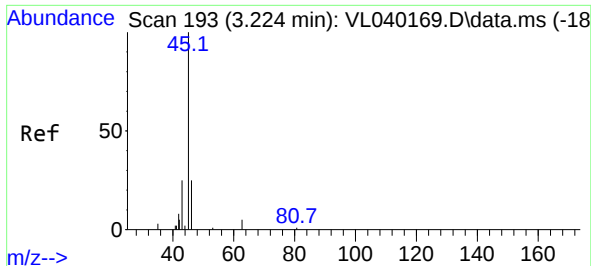
Tgt Ion:101 Resp: 74409
 Ion Ratio Lower Upper
 101 100
 103 54.8 51.0 76.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.060 ppbv
 RT: 4.057 min Scan# 452
 Delta R.T. 0.006 min
 Lab File: VL040184.D
 Acq: 16 Feb 2023 18:48

Tgt Ion:101 Resp: 6140
 Ion Ratio Lower Upper
 101 100
 151 83.9 54.7 82.1#

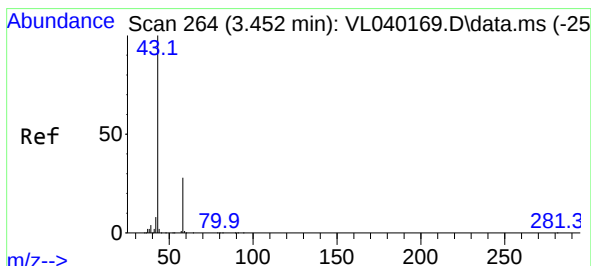
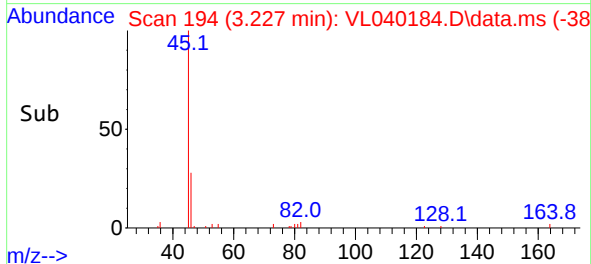
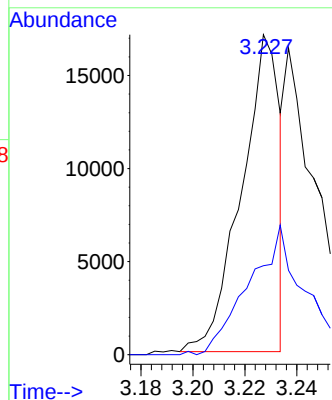
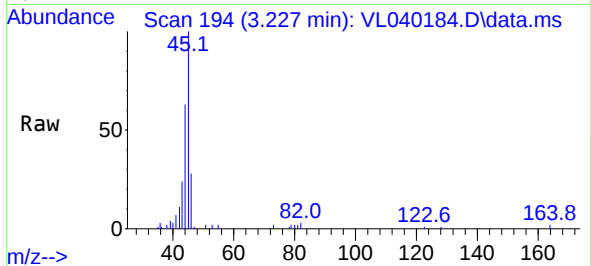




#13
Ethanol
Concen: 4.678 ppbv
RT: 3.227 min Scan# 193
Delta R.T. 0.003 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

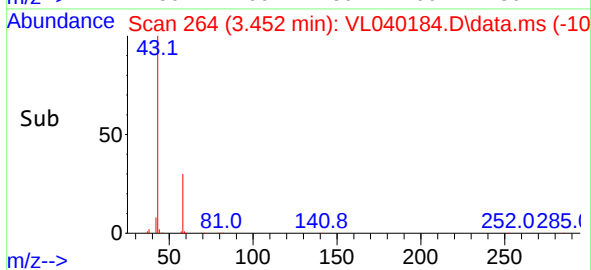
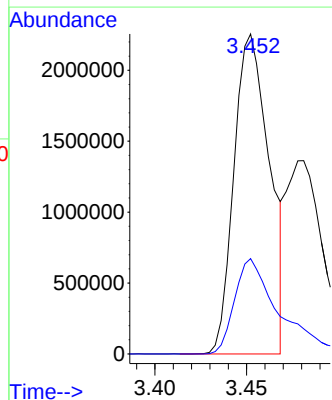
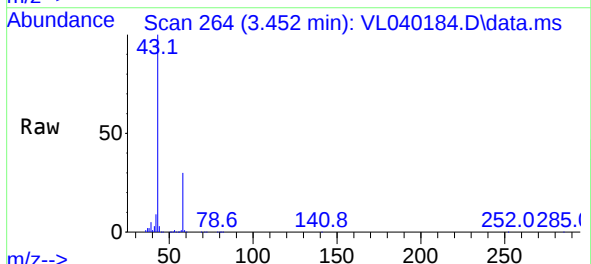
Instrument :
MSVOA_L
ClientSampleId :
SVP-03

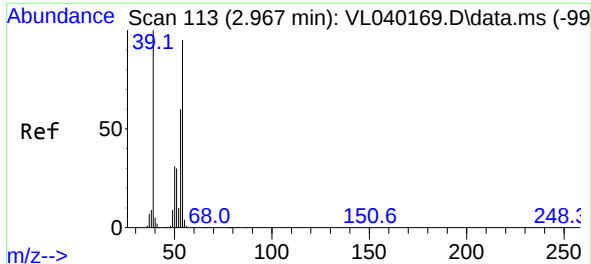
Tgt Ion: 45 Resp: 17348
Ion Ratio Lower Upper
45 100
46 0.0 13.3 53.1#



#15
Acetone
Concen: 30.568 ppbv
RT: 3.452 min Scan# 264
Delta R.T. -0.000 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

Tgt Ion: 43 Resp: 3044642
Ion Ratio Lower Upper
43 100
58 39.6 22.4 33.6#

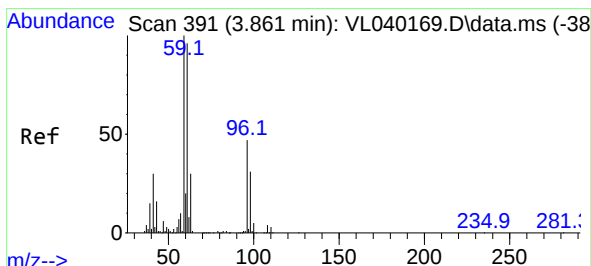
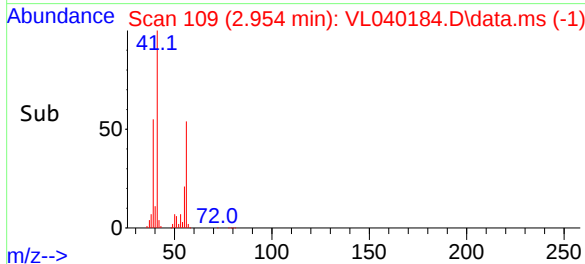
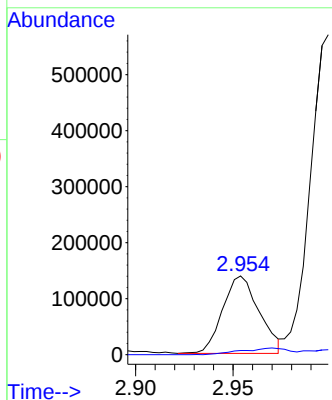
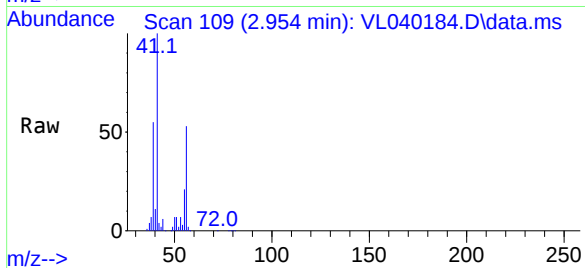




#16
1,3-Butadiene
Concen: 3.948 ppbv
RT: 2.954 min Scan# 113
Delta R.T. -0.013 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

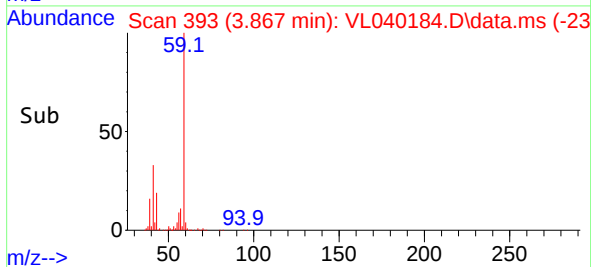
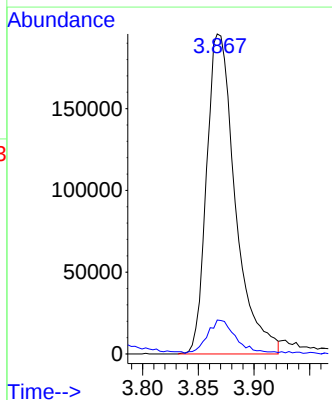
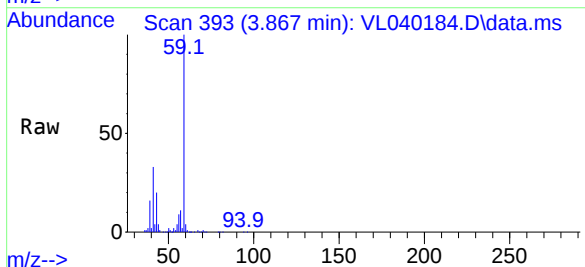
Instrument :
MSVOA_L
ClientSampleId :
SVP-03

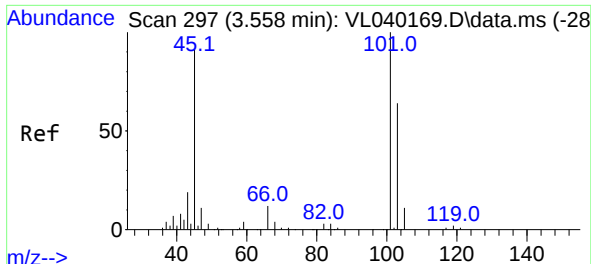
Tgt Ion: 39 Resp: 179562
Ion Ratio Lower Upper
39 100
54 18.2 66.7 100.1#



#17
tert-Butyl alcohol
Concen: 3.870 ppbv
RT: 3.867 min Scan# 393
Delta R.T. 0.006 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

Tgt Ion: 59 Resp: 351563
Ion Ratio Lower Upper
59 100
57 167.8 8.5 12.7#





#19

Isopropyl Alcohol

Concen: 1.109 ppbv

RT: 3.568 min Scan# 300

Delta R.T. 0.010 min

Lab File: VL040184.D

Acq: 16 Feb 2023 18:48

Instrument :

MSVOA_L

ClientSampleId :

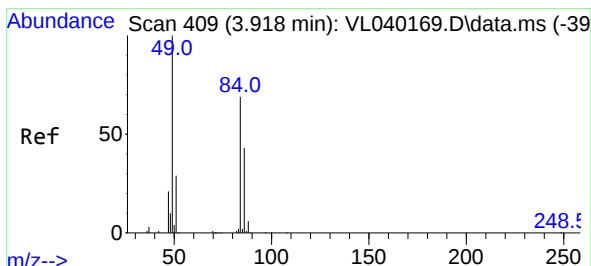
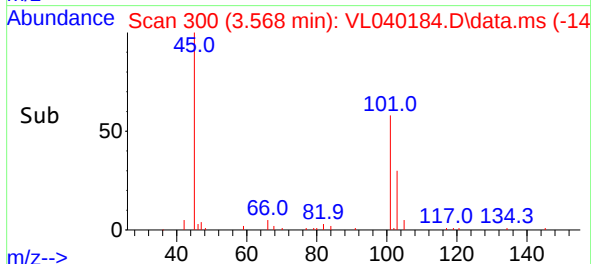
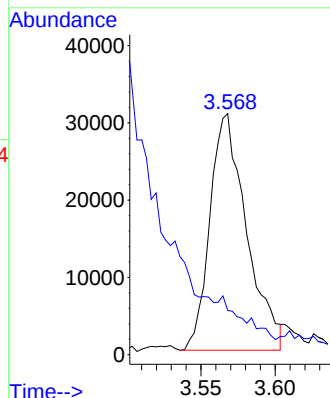
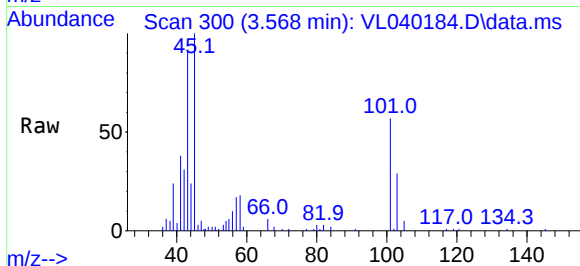
SVP-03

Tgt Ion: 45 Resp: 52515

Ion Ratio Lower Upper

45 100

58 0.0 2.6 3.8#



#20

Methylene Chloride

Concen: 4.631 ppbv

RT: 3.925 min Scan# 411

Delta R.T. 0.006 min

Lab File: VL040184.D

Acq: 16 Feb 2023 18:48

Tgt Ion: 84 Resp: 240103

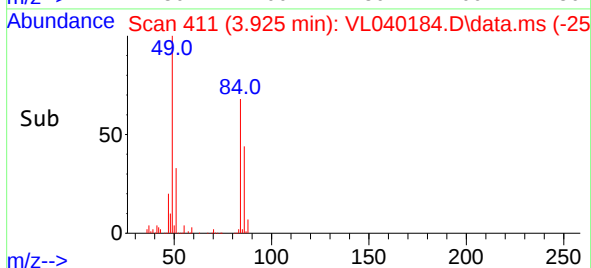
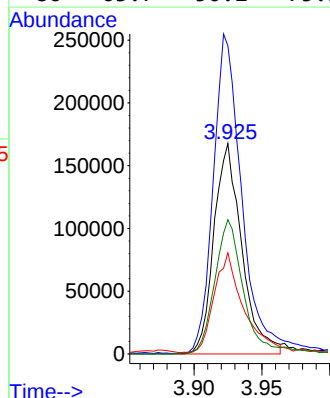
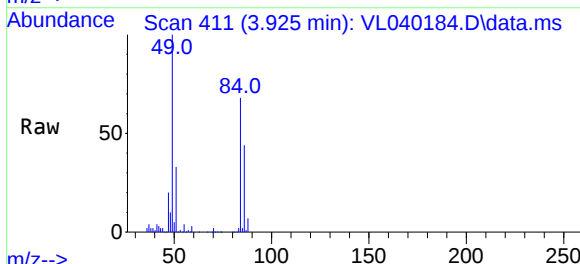
Ion Ratio Lower Upper

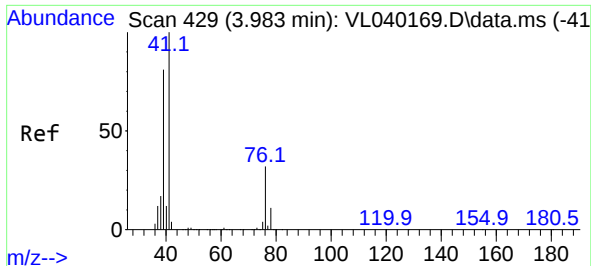
84 100

49 146.0 115.5 173.3

51 47.4 33.1 49.7

86 63.7 50.2 75.2





#21

Allyl Chloride

Concen: 1.031 ppbv

RT: 3.947 min Scan# 41

Delta R.T. -0.035 min

Lab File: VL040184.D

Acq: 16 Feb 2023 18:48

Instrument :

MSVOA_L

ClientSampleId :

SVP-03

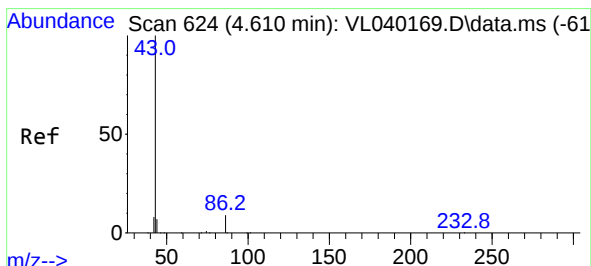
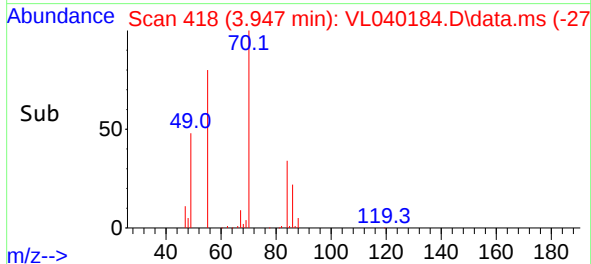
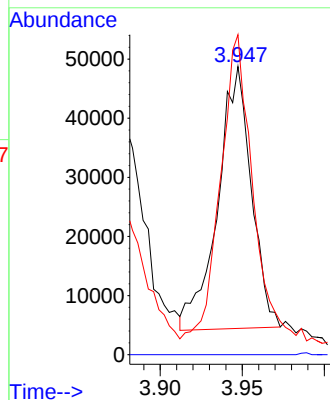
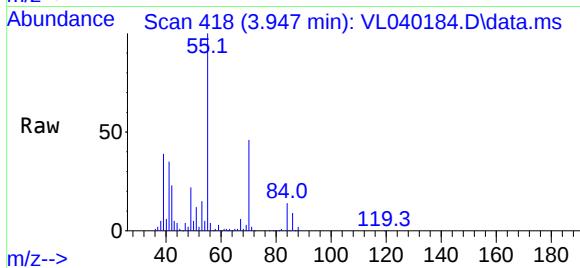
Tgt Ion: 41 Resp: 62959

Ion Ratio Lower Upper

41 100

76 0.0 25.5 38.3#

39 133.9 64.5 96.7#



#23

Vinyl Acetate

Concen: 7.195 ppbv

RT: 4.597 min Scan# 620

Delta R.T. -0.013 min

Lab File: VL040184.D

Acq: 16 Feb 2023 18:48

Tgt Ion: 43 Resp: 217489

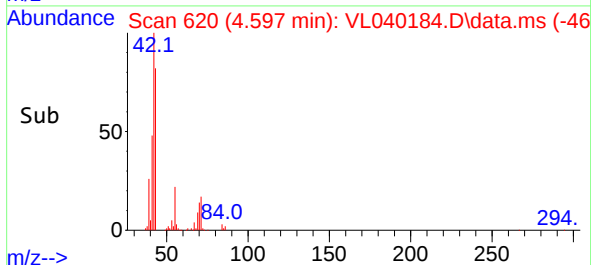
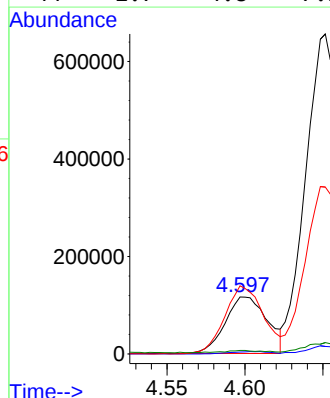
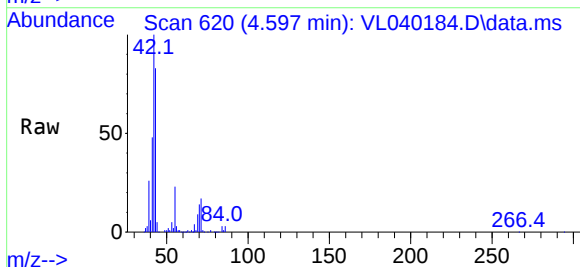
Ion Ratio Lower Upper

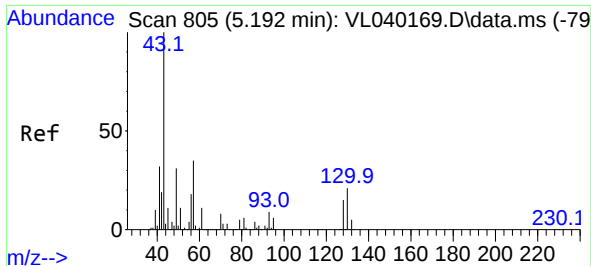
43 100

86 3.3 5.6 8.4#

42 120.6 7.6 11.4#

44 2.7 4.8 7.2#





#25

Ethyl Acetate

Concen: 4.936 ppbv

RT: 5.208 min Scan# 810

Delta R.T. 0.016 min

Lab File: VL040184.D

Acq: 16 Feb 2023 18:48

Instrument :

MSVOA_L

ClientSampleId :

SVP-03

Tgt Ion: 43 Resp: 913872

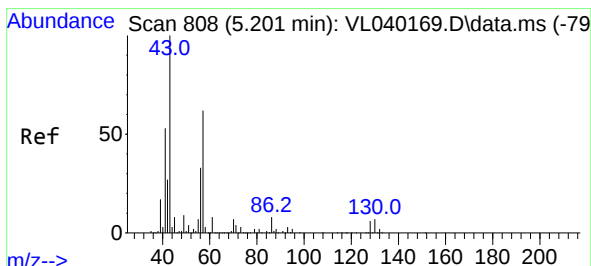
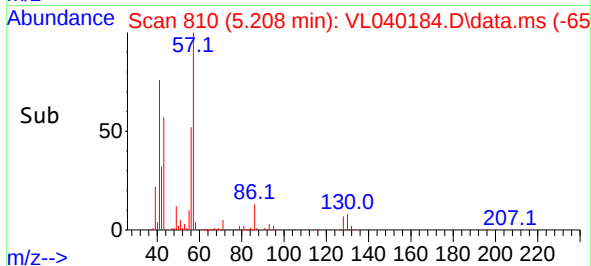
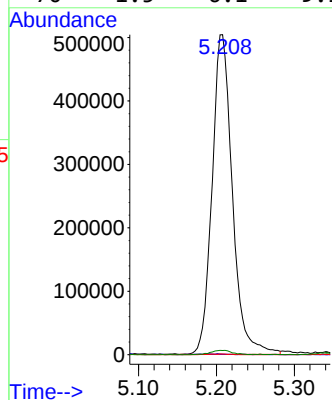
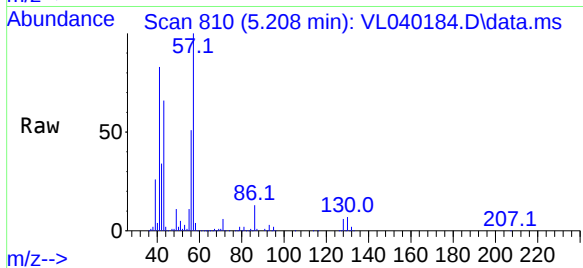
Ion Ratio Lower Upper

43 100

45 0.3 8.3 12.5#

61 0.2 8.4 12.6#

70 1.5 6.1 9.1#



#26

Hexane

Concen: 16.953 ppbv

RT: 5.208 min Scan# 810

Delta R.T. 0.006 min

Lab File: VL040184.D

Acq: 16 Feb 2023 18:48

Tgt Ion: 57 Resp: 1347571

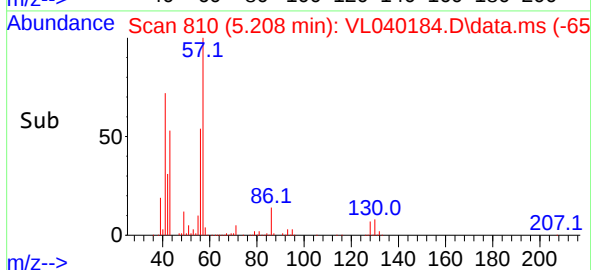
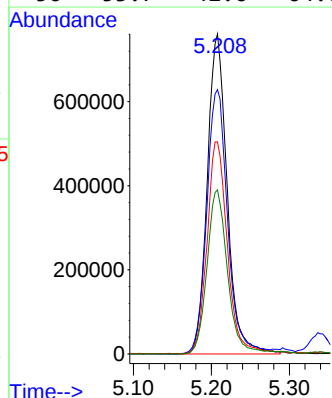
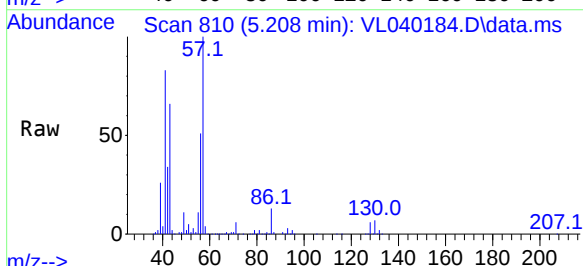
Ion Ratio Lower Upper

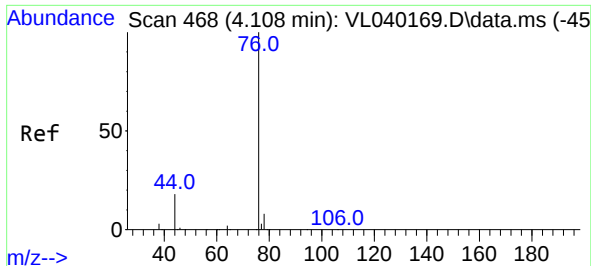
57 100

41 88.8 74.3 111.5

43 68.4 193.0 289.4#

56 53.7 42.6 64.0

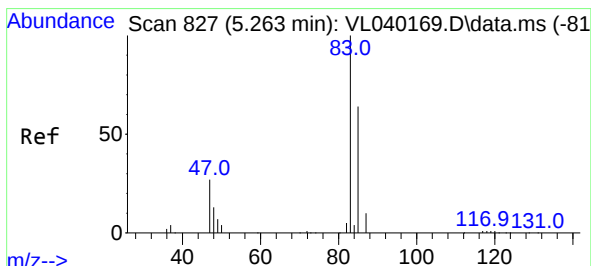
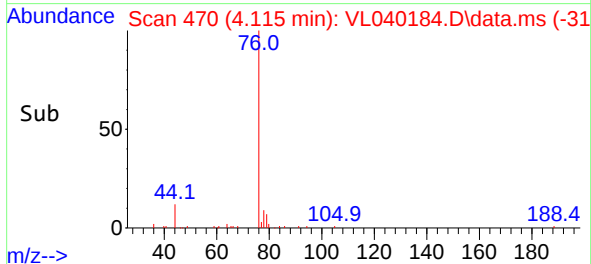
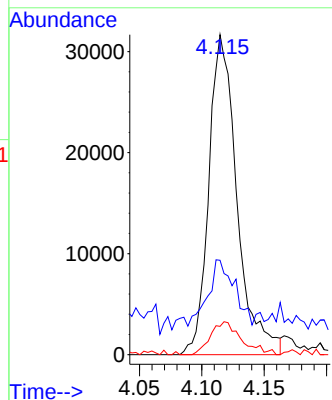
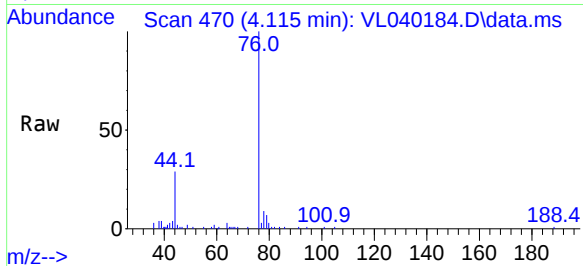




#27
Carbon Disulfide
Concen: 0.495 ppbv
RT: 4.115 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

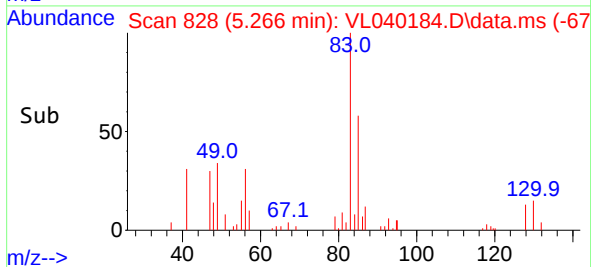
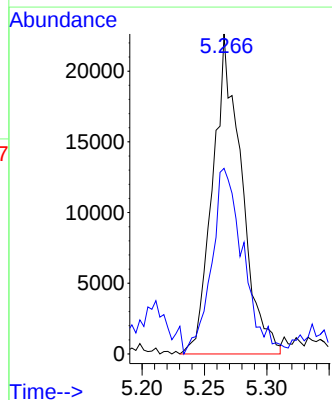
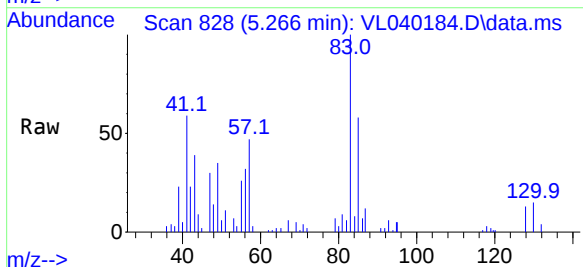
Instrument :
MSVOA_L
ClientSampleId :
SVP-03

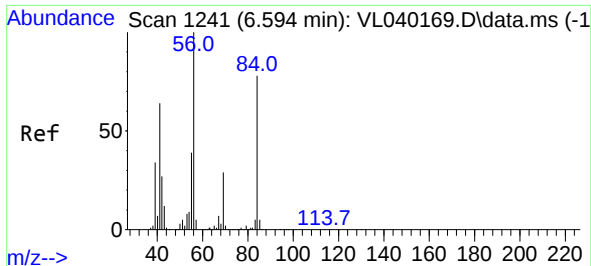
Tgt Ion: 76 Resp: 49922
Ion Ratio Lower Upper
76 100
44 30.4 15.3 22.9#
78 11.3 7.7 11.5



#29
Chloroform
Concen: 0.267 ppbv
RT: 5.266 min Scan# 828
Delta R.T. 0.003 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

Tgt Ion: 83 Resp: 36483
Ion Ratio Lower Upper
83 100
85 55.0 51.5 77.3

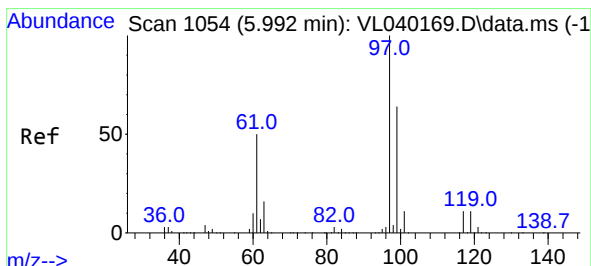
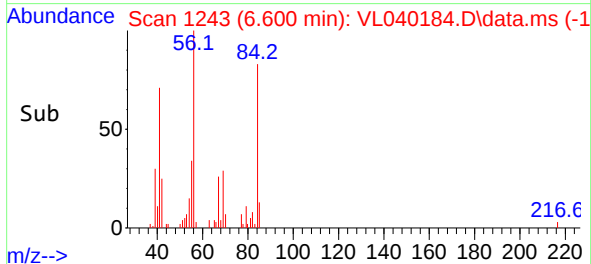
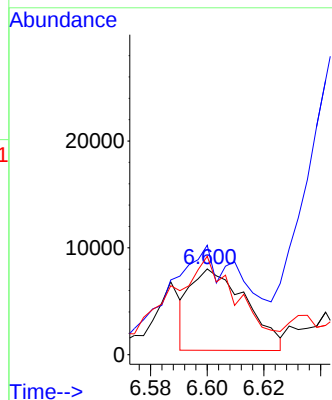
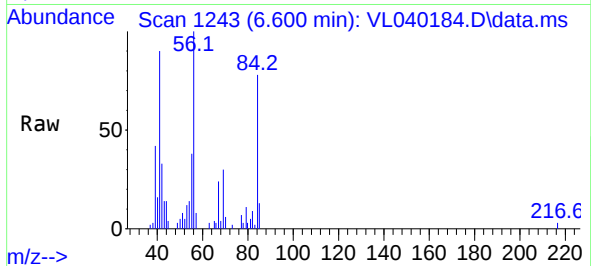




#30
Cyclohexane
Concen: 0.167 ppbv
RT: 6.600 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

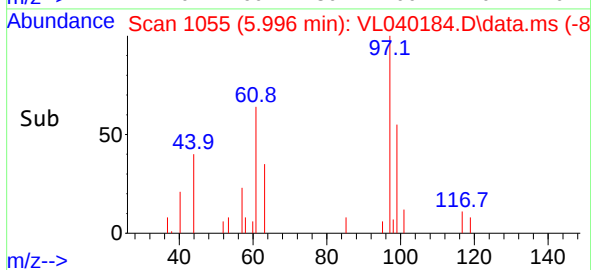
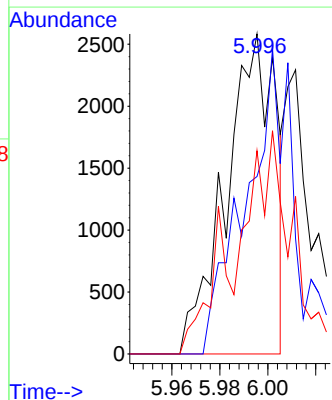
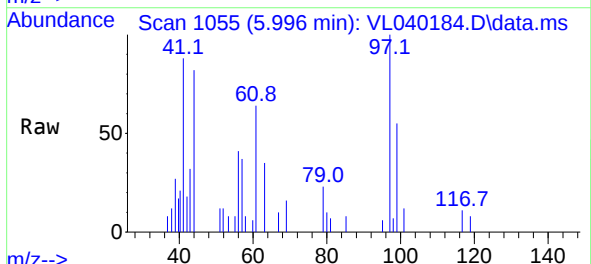
Instrument :
MSVOA_L
ClientSampleId :
SVP-03

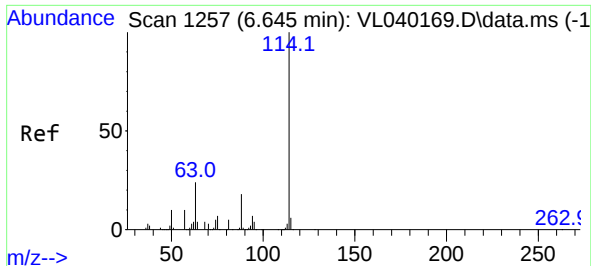
Tgt Ion: 84 Resp: 10427
Ion Ratio Lower Upper
84 100
56 115.3 109.9 164.9
41 164.5 67.8 101.6#



#32
1,1,1-Trichloroethane
Concen: 0.029 ppbv
RT: 5.996 min Scan# 1055
Delta R.T. 0.003 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

Tgt Ion: 97 Resp: 3708
Ion Ratio Lower Upper
97 100
99 92.1 51.5 77.3#
61 81.6 40.6 60.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040184.D

Acq: 16 Feb 2023 18:48

Instrument :

MSVOA_L

ClientSampleId :

SVP-03

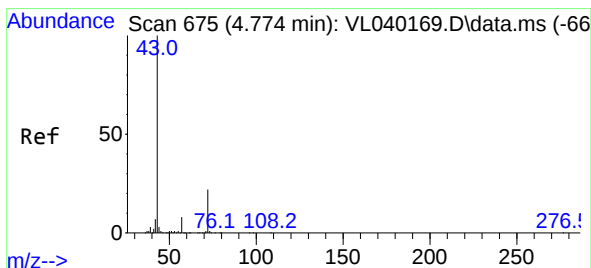
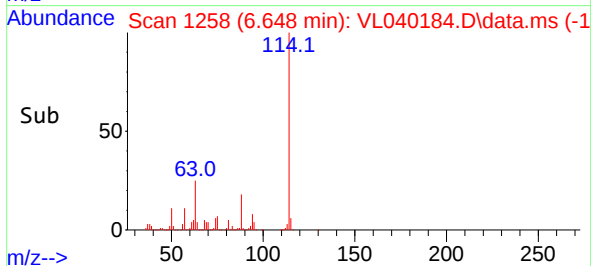
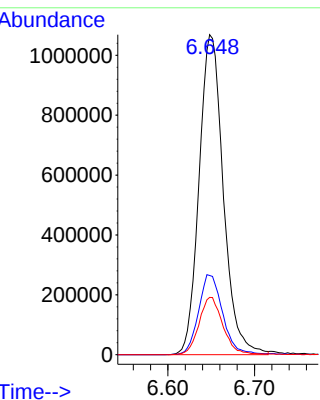
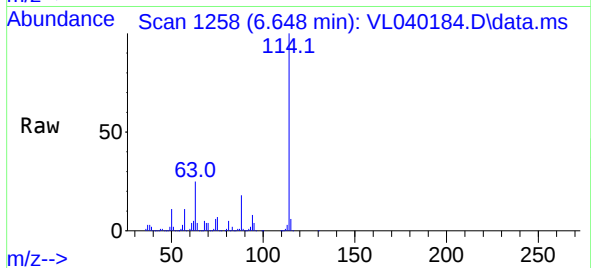
Tgt Ion:114 Resp: 2077500

Ion Ratio Lower Upper

114 100

63 25.2 20.4 30.6

88 17.8 14.3 21.5



#34

2-Butanone

Concen: 4.184 ppbv

RT: 4.777 min Scan# 676

Delta R.T. 0.003 min

Lab File: VL040184.D

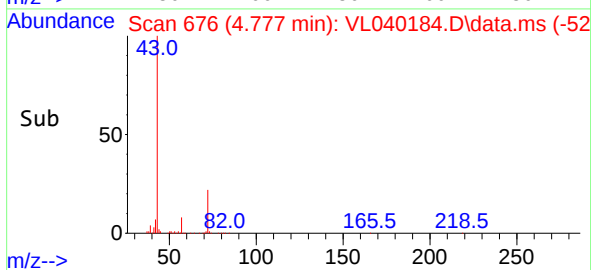
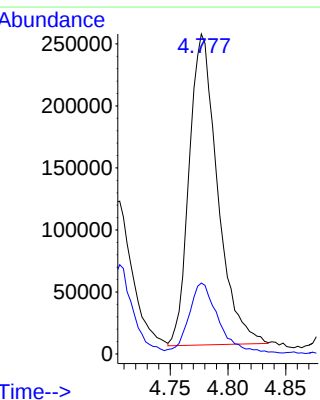
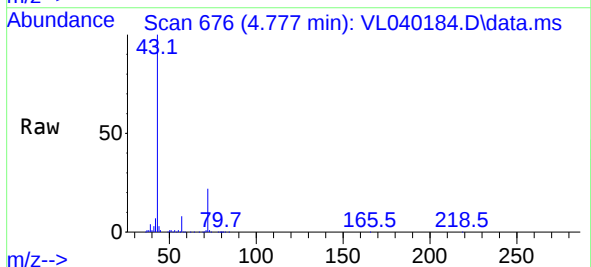
Acq: 16 Feb 2023 18:48

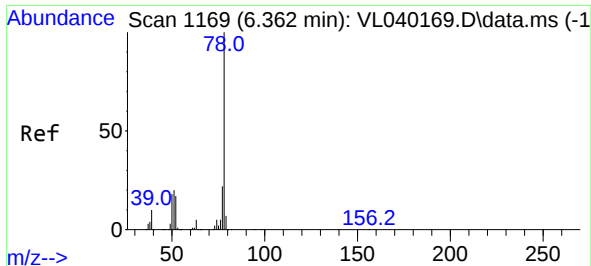
Tgt Ion: 43 Resp: 428802

Ion Ratio Lower Upper

43 100

72 24.6 17.8 26.8

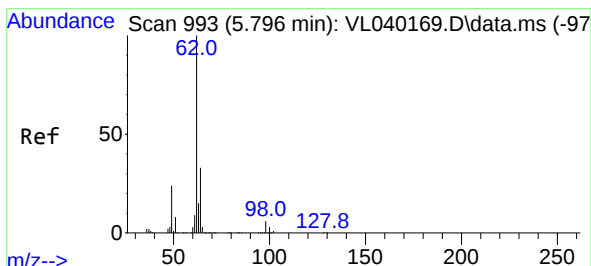
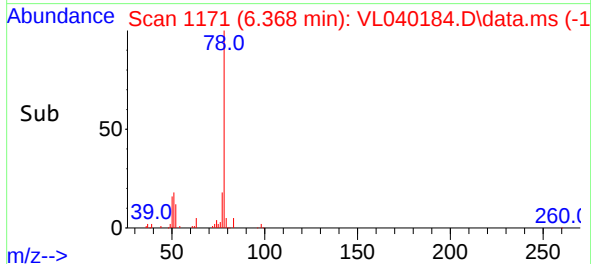
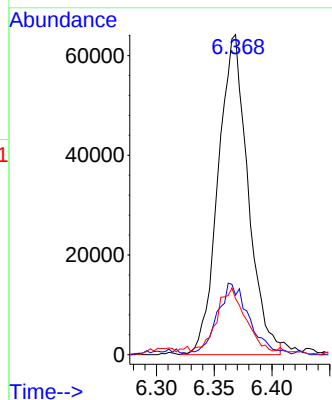
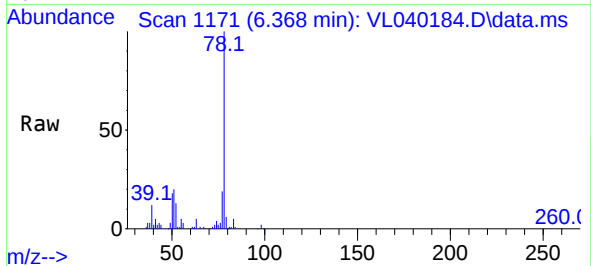




#36
Benzene
Concen: 0.714 ppbv
RT: 6.368 min Scan# 1169
Delta R.T. 0.006 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

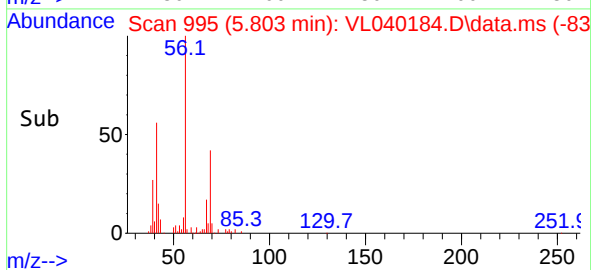
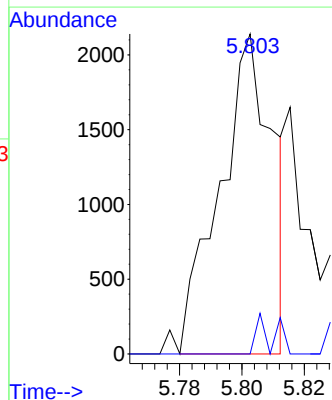
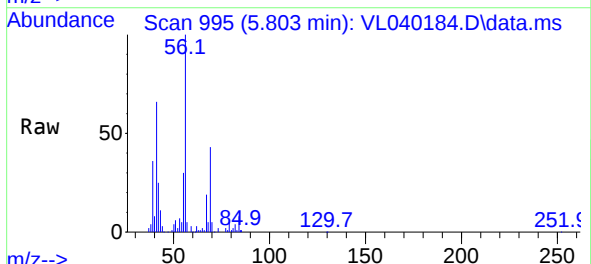
Instrument :
MSVOA_L
ClientSampleId :
SVP-03

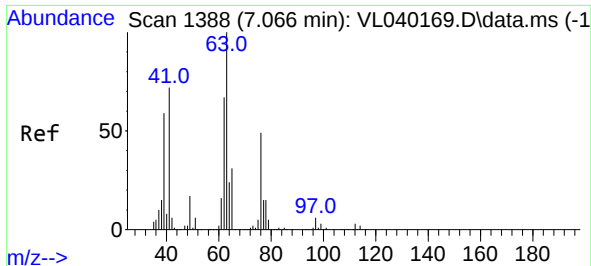
Tgt Ion: 78 Resp: 115447
Ion Ratio Lower Upper
78 100
77 18.0 17.5 26.3
50 15.7 14.6 22.0



#37
1,2-Dichloroethane
Concen: 0.025 ppbv
RT: 5.803 min Scan# 995
Delta R.T. 0.006 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

Tgt Ion: 62 Resp: 2497
Ion Ratio Lower Upper
62 100
98 0.0 4.7 7.1#





#39

1,2-Dichloropropane

Concen: 8.217 ppbv

RT: 6.645 min Scan# 11

Delta R.T. -0.421 min

Lab File: VL040184.D

Acq: 16 Feb 2023 18:48

Instrument :

MSVOA_L

ClientSampleId :

SVP-03

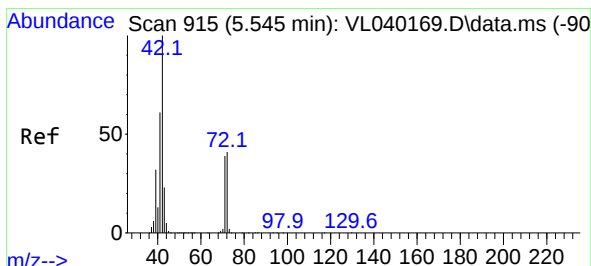
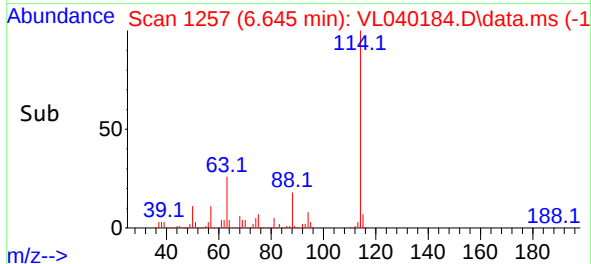
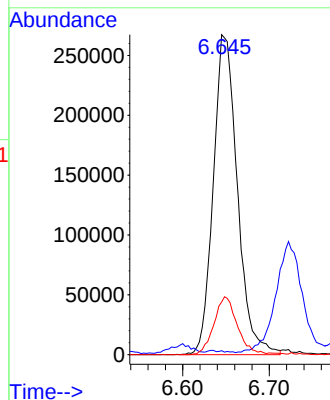
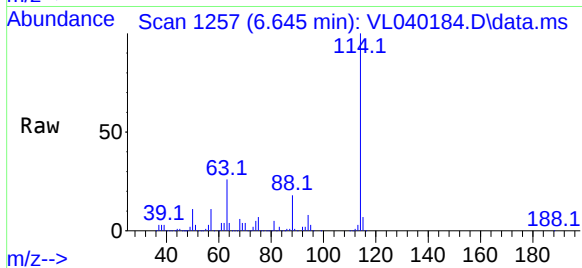
Tgt Ion: 63 Resp: 516804

Ion Ratio Lower Upper

63 100

41 0.0 57.6 86.4#

62 16.5 54.0 81.0#



#41

Tetrahydrofuran

Concen: 0.969 ppbv

RT: 5.812 min Scan# 998

Delta R.T. 0.267 min

Lab File: VL040184.D

Acq: 16 Feb 2023 18:48

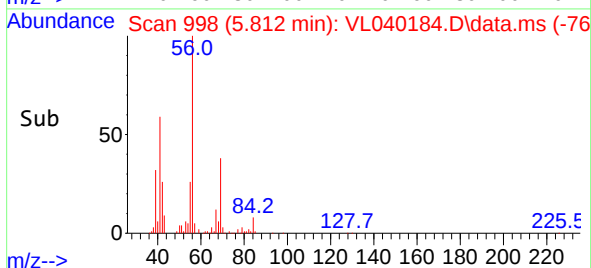
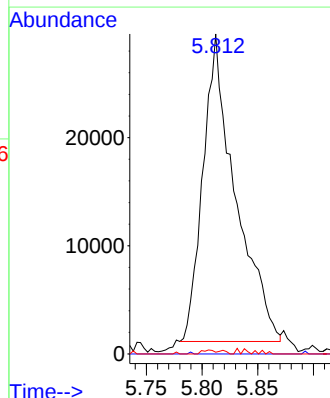
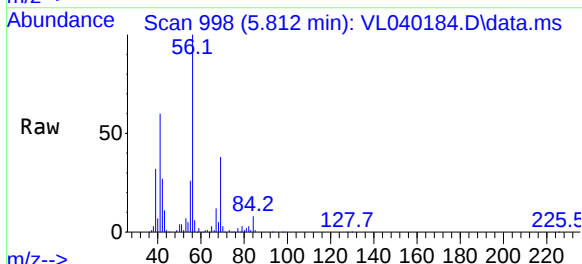
Tgt Ion: 42 Resp: 57545

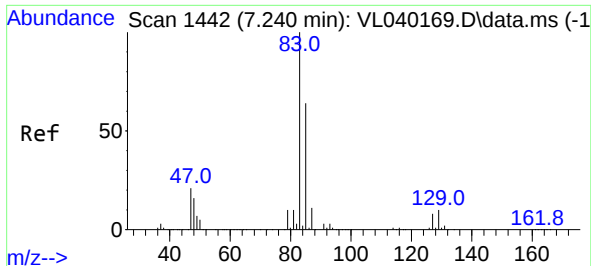
Ion Ratio Lower Upper

42 100

72 0.9 33.0 49.4#

71 0.0 31.4 47.2#

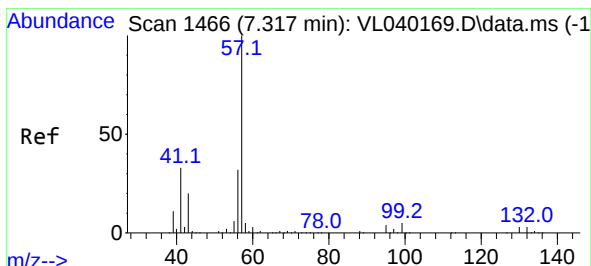
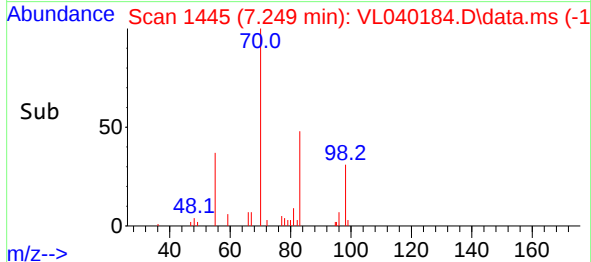
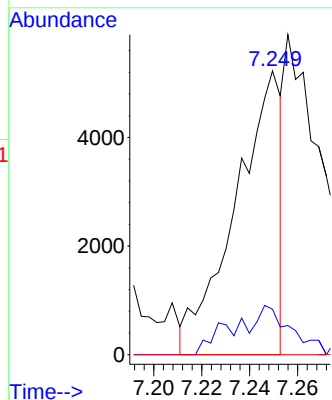
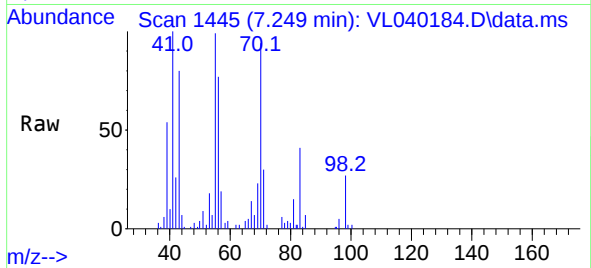




#42
Bromodichloromethane
Concen: 0.050 ppbv
RT: 7.249 min Scan# 1442
Delta R.T. 0.010 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

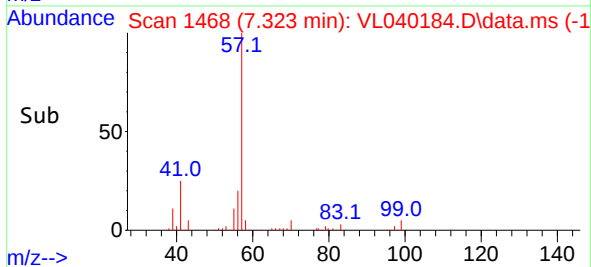
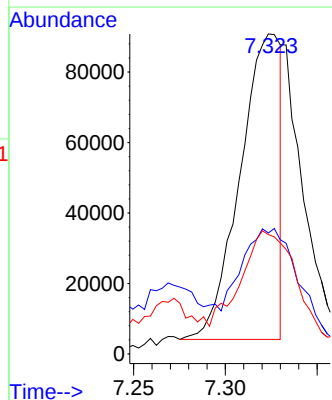
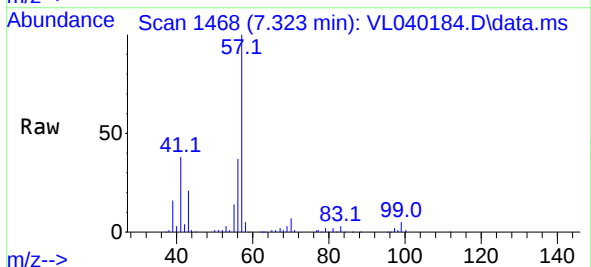
Instrument :
MSVOA_L
ClientSampleId :
SVP-03

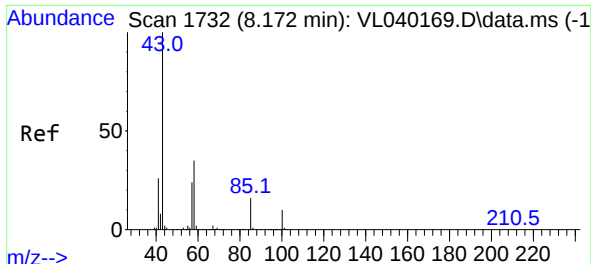
Tgt Ion: 83 Resp: 6931
Ion Ratio Lower Upper
83 100
85 17.7 50.9 76.3#
127 0.0 6.2 9.2#



#44
2,2,4-Trimethylpentane
Concen: 0.494 ppbv
RT: 7.323 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

Tgt Ion: 57 Resp: 133381
Ion Ratio Lower Upper
57 100
41 64.9 26.2 39.4#
56 65.3 24.9 37.3#





#50

4-Methyl-2-Pentanone

Concen: 0.032 ppbv

RT: 8.182 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL040184.D

Acq: 16 Feb 2023 18:48

Instrument :

MSVOA_L

ClientSampleId :

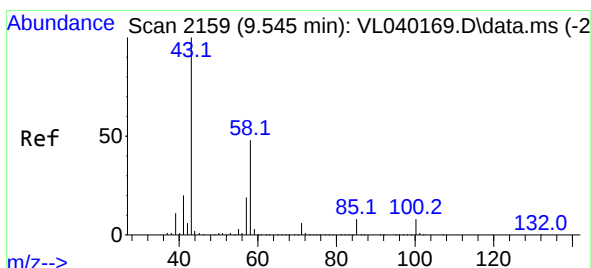
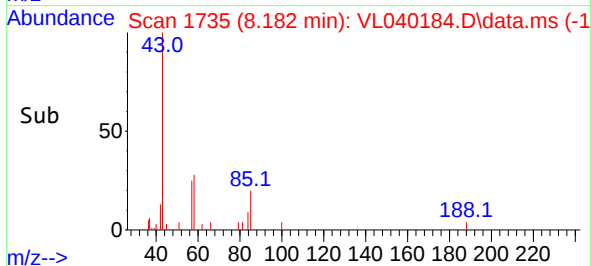
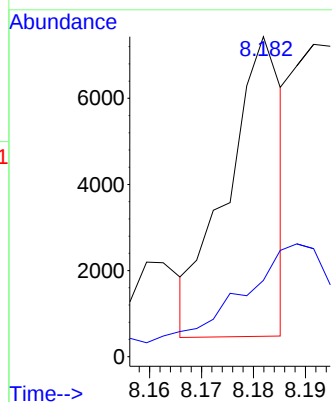
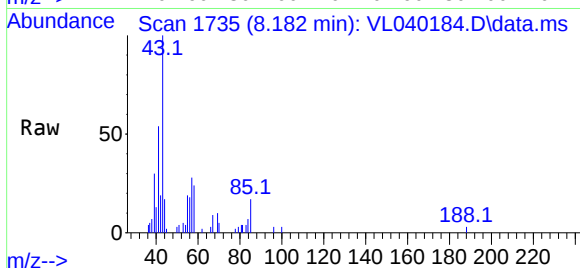
SVP-03

Tgt Ion: 43 Resp: 5101

Ion Ratio Lower Upper

43 100

58 0.0 29.2 43.8#



#51

2-Hexanone

Concen: 2.501 ppbv

RT: 9.552 min Scan# 2161

Delta R.T. 0.006 min

Lab File: VL040184.D

Acq: 16 Feb 2023 18:48

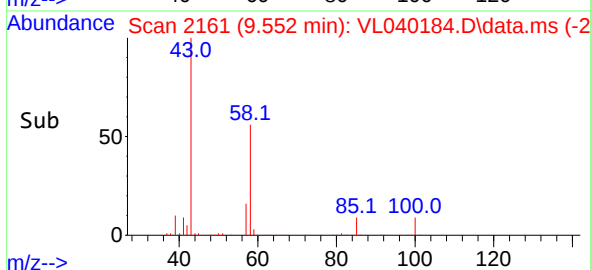
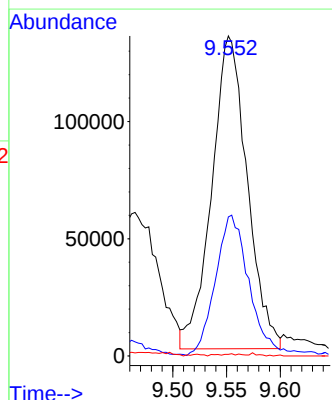
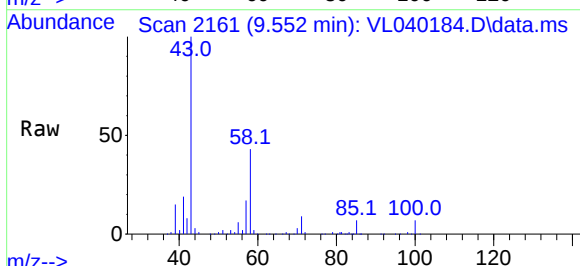
Tgt Ion: 43 Resp: 306070

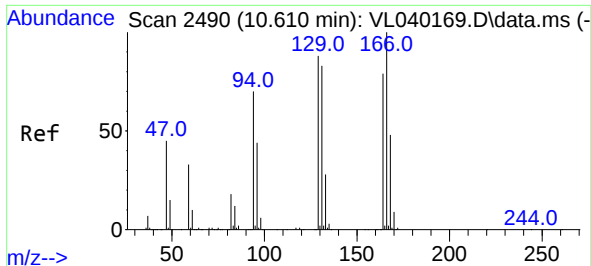
Ion Ratio Lower Upper

43 100

58 43.4 39.1 58.7

98 0.7 0.2 0.4#

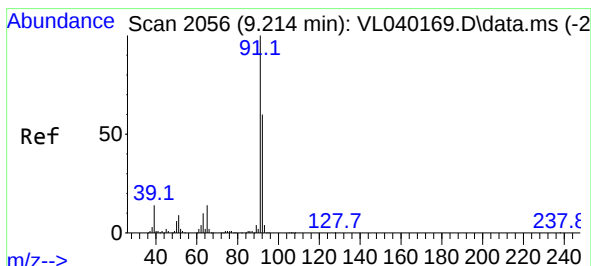
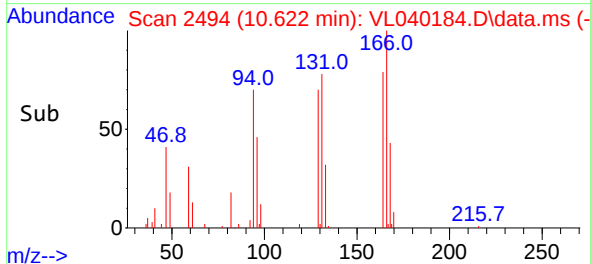
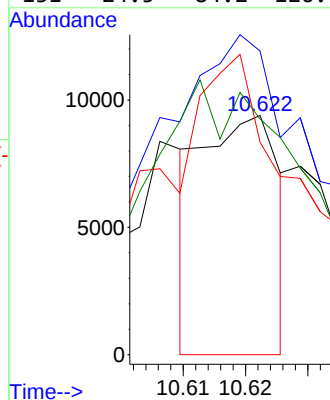
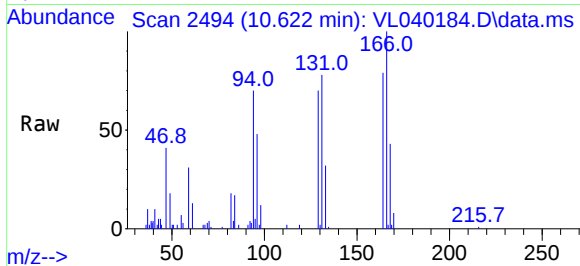




#52
Tetrachloroethene
Concen: 0.160 ppbv
RT: 10.622 min Scan# 2494
Delta R.T. 0.013 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

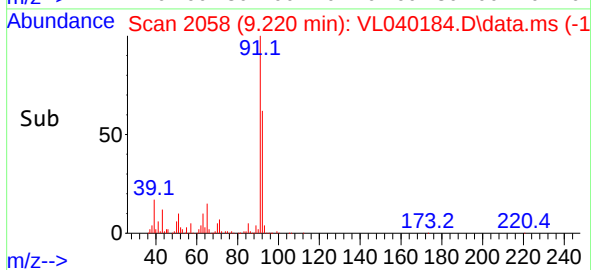
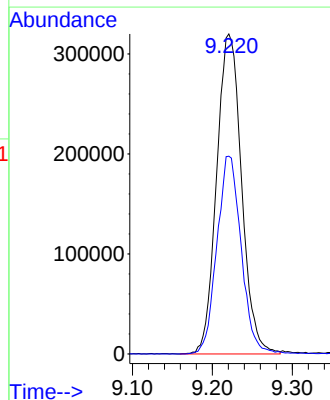
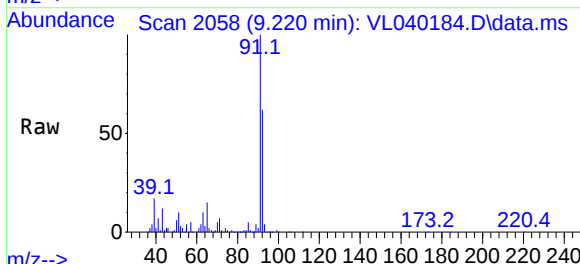
Instrument :
MSVOA_L
ClientSampleId :
SVP-03

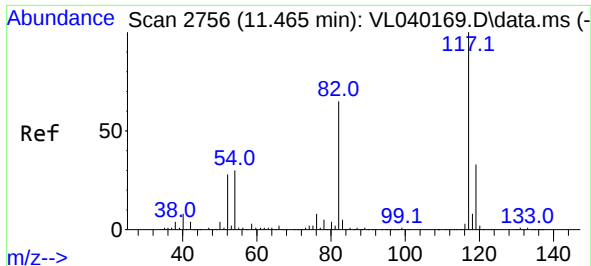
Tgt Ion:164 Resp: 8086
Ion Ratio Lower Upper
164 100
166 150.6 101.5 152.3
129 88.6 89.0 133.4#
131 24.5 84.2 126.4#



#53
Toluene
Concen: 4.002 ppbv
RT: 9.220 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

Tgt Ion: 91 Resp: 693042
Ion Ratio Lower Upper
91 100
92 60.3 48.9 73.3

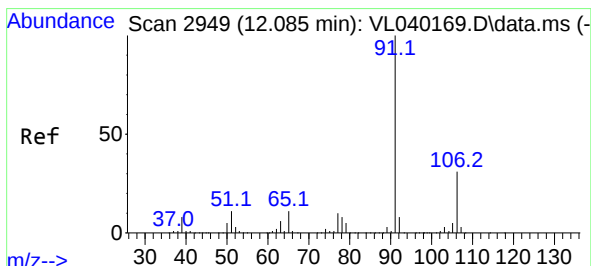
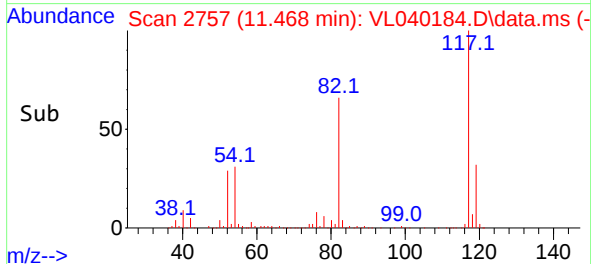
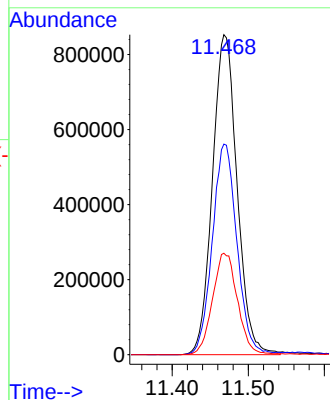
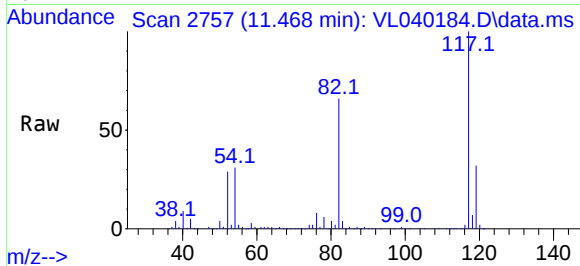




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

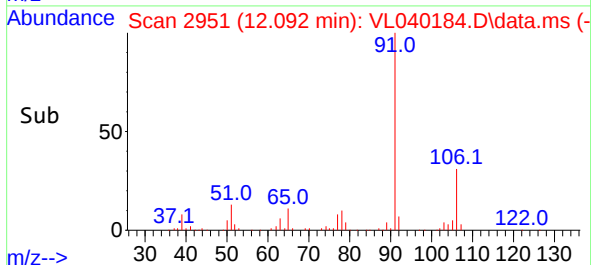
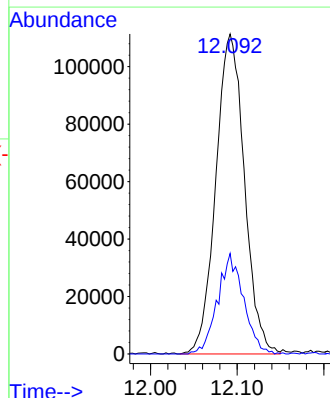
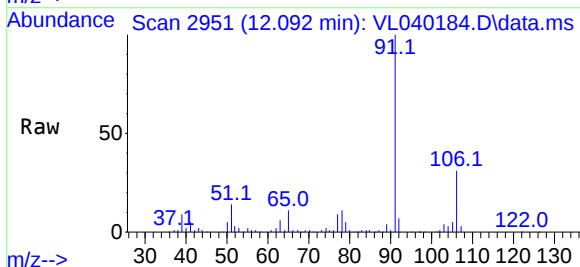
Instrument :
MSVOA_L
ClientSampleId :
SVP-03

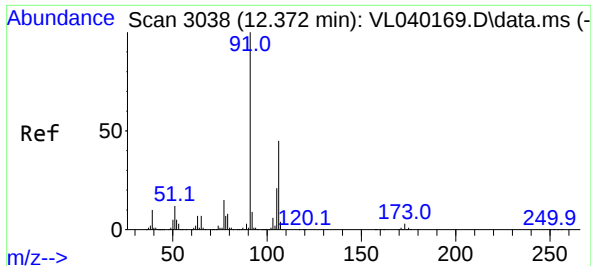
Tgt Ion:117 Resp: 1920722
Ion Ratio Lower Upper
117 100
82 65.9 53.3 79.9
119 32.3 24.6 37.0



#58
Ethyl Benzene
Concen: 1.094 ppbv
RT: 12.092 min Scan# 2951
Delta R.T. 0.006 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

Tgt Ion: 91 Resp: 255356
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3





#59

m/p-Xylene

Concen: 4.076 ppbv

RT: 12.346 min Scan# 3030

Delta R.T. -0.026 min

Lab File: VL040184.D

Acq: 16 Feb 2023 18:48

Instrument :

MSVOA_L

ClientSampleId :

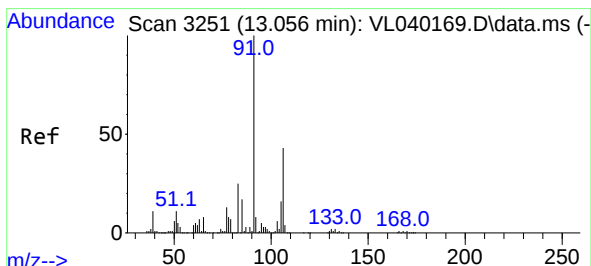
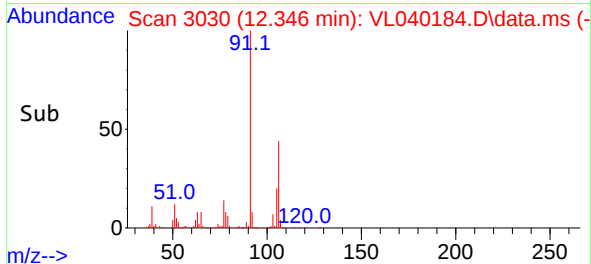
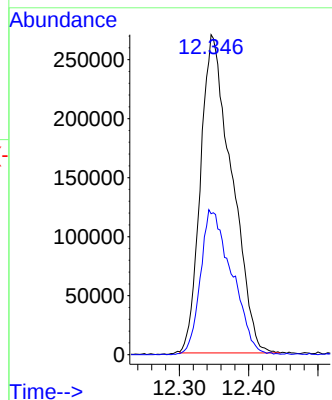
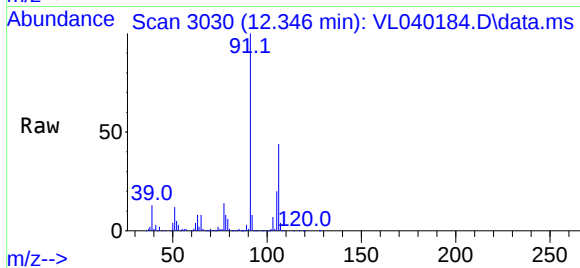
SVP-03

Tgt Ion: 91 Resp: 842437

Ion Ratio Lower Upper

91 100

106 45.9 34.6 51.8



#60

o-Xylene

Concen: 1.799 ppbv

RT: 13.063 min Scan# 3253

Delta R.T. 0.006 min

Lab File: VL040184.D

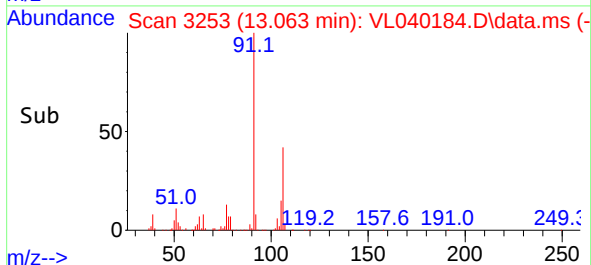
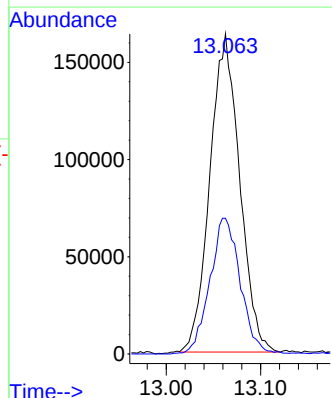
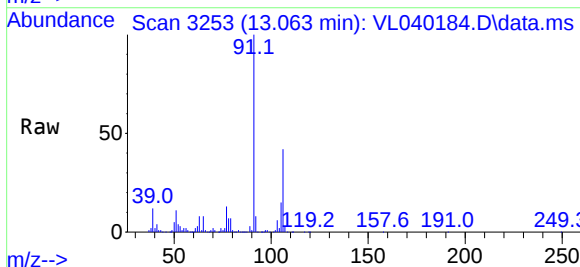
Acq: 16 Feb 2023 18:48

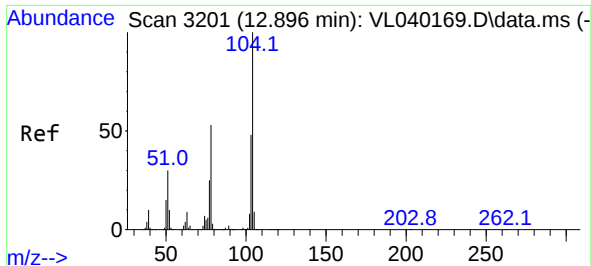
Tgt Ion: 91 Resp: 357735

Ion Ratio Lower Upper

91 100

106 43.8 21.6 65.0

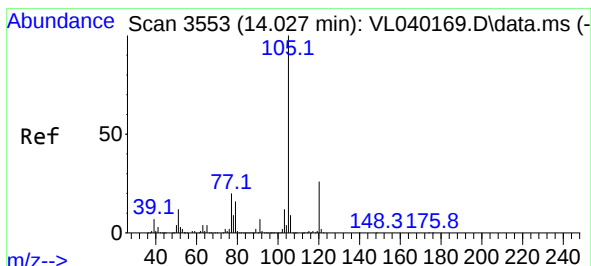
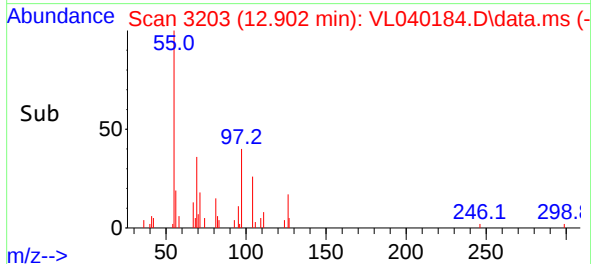
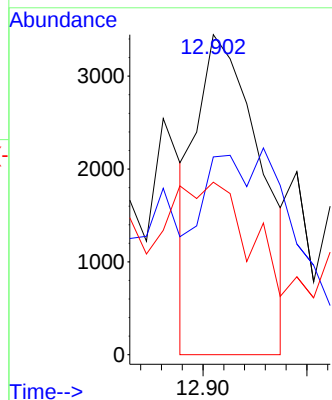
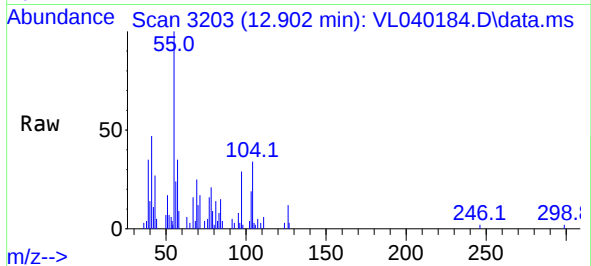




#61
Styrene
Concen: 0.028 ppbv
RT: 12.902 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

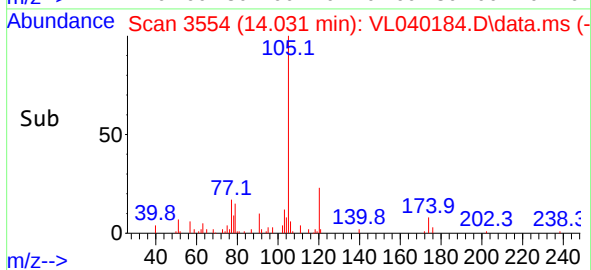
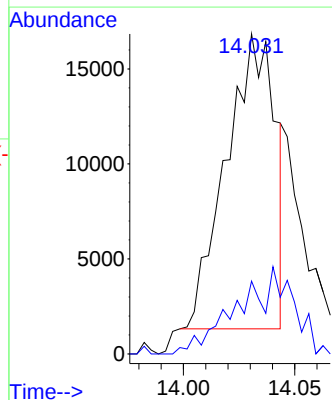
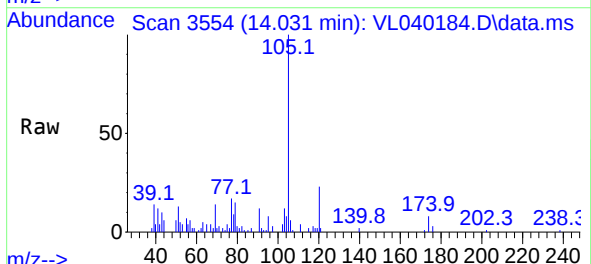
Instrument :
MSVOA_L
ClientSampleId :
SVP-03

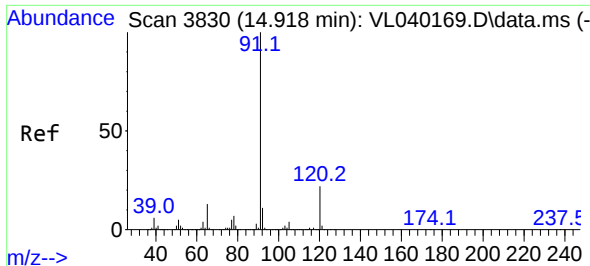
Tgt Ion:104 Resp: 2946
Ion Ratio Lower Upper
104 100
78 0.0 42.3 63.5#
103 139.6 37.5 56.3#



#62
Isopropylbenzene
Concen: 0.083 ppbv
RT: 14.031 min Scan# 3554
Delta R.T. 0.003 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

Tgt Ion:105 Resp: 23701
Ion Ratio Lower Upper
105 100
120 33.8 20.3 30.5#

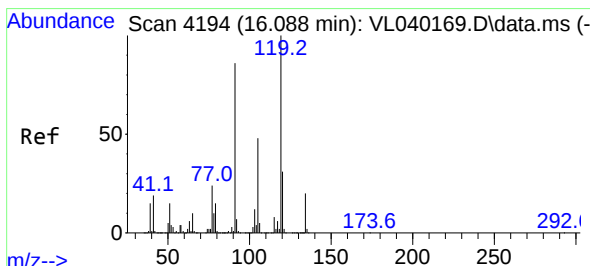
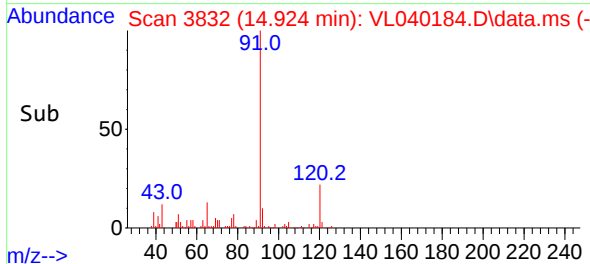
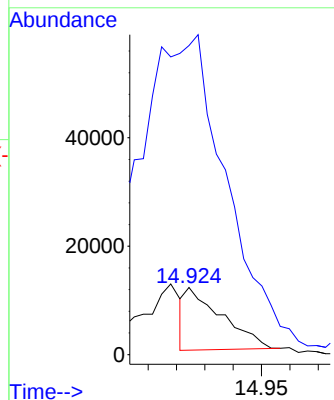
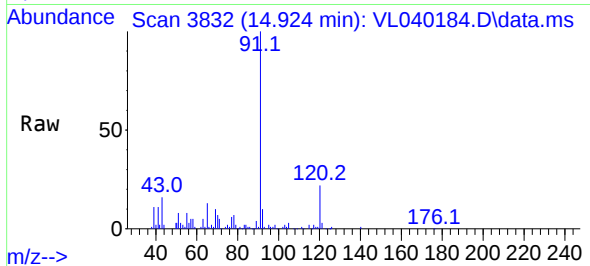




#64
n-propylbenzene
Concen: 0.146 ppbv
RT: 14.924 min Scan# 3830
Delta R.T. 0.006 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

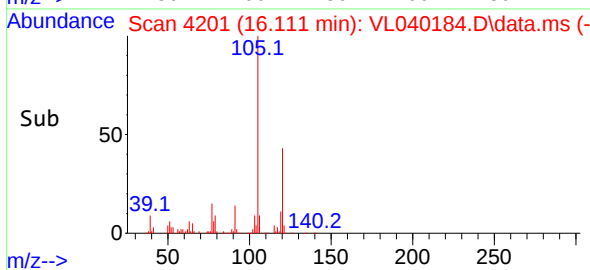
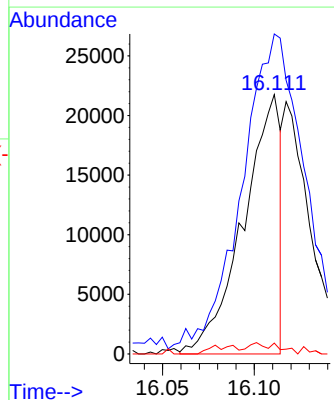
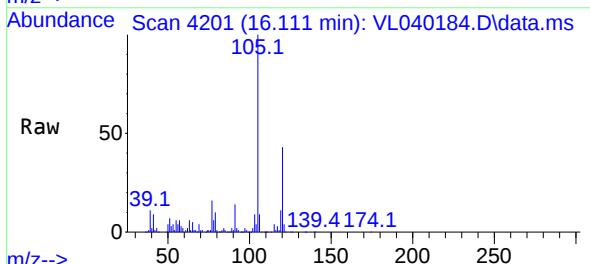
Instrument :
MSVOA_L
ClientSampleId :
SVP-03

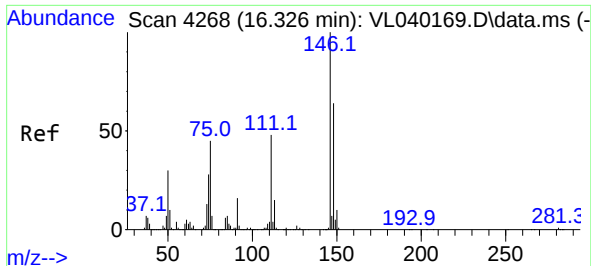
Tgt Ion:120 Resp: 10319
Ion Ratio Lower Upper
120 100
91 1311.2 389.8 584.8#



#65
tert-Butylbenzene
Concen: 0.124 ppbv
RT: 16.111 min Scan# 4201
Delta R.T. 0.022 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

Tgt Ion:119 Resp: 30706
Ion Ratio Lower Upper
119 100
91 213.9 68.6 102.8#
134 5.6 15.9 23.9#

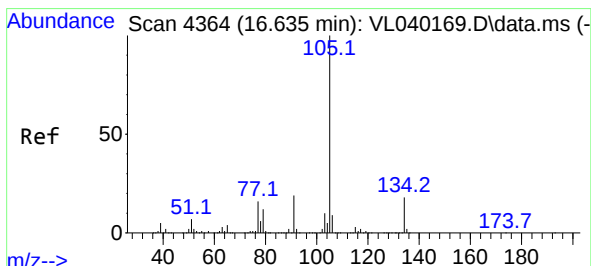
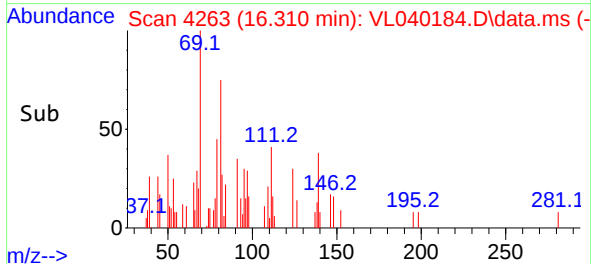
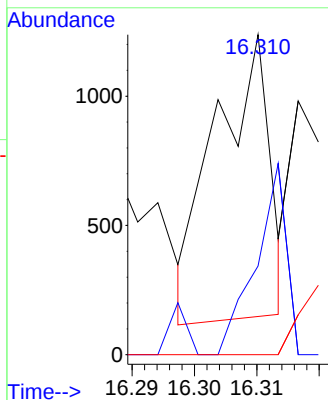
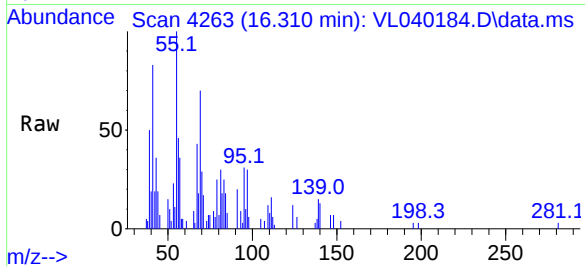




#66
Benzyl Chloride
Concen: 0.040 ppbv
RT: 16.310 min Scan# 41
Delta R.T. -0.016 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

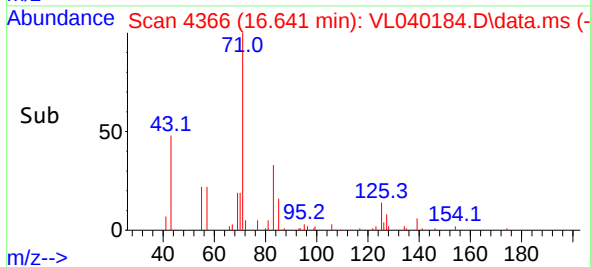
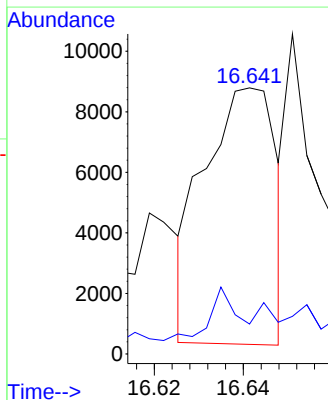
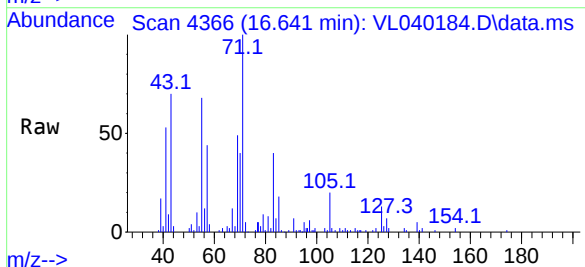
Instrument :
MSVOA_L
ClientSampleId :
SVP-03

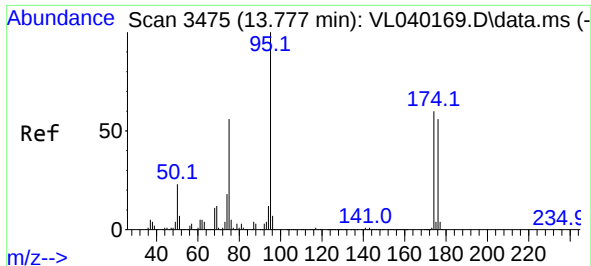
Tgt Ion: 91 Resp: 668
Ion Ratio Lower Upper
91 100
126 43.3 13.1 19.7#
128 0.0 4.1 6.1#



#67
sec-Butylbenzene
Concen: 0.027 ppbv
RT: 16.641 min Scan# 4366
Delta R.T. 0.006 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

Tgt Ion: 105 Resp: 9460
Ion Ratio Lower Upper
105 100
134 39.4 14.1 21.1#

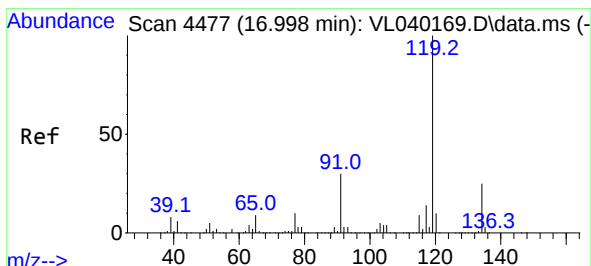
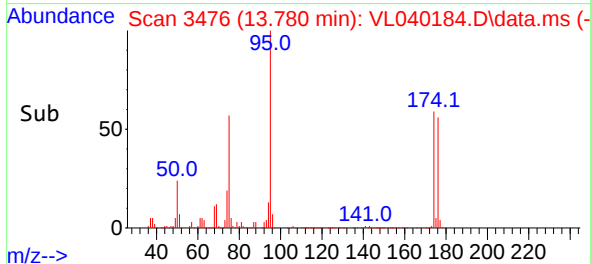
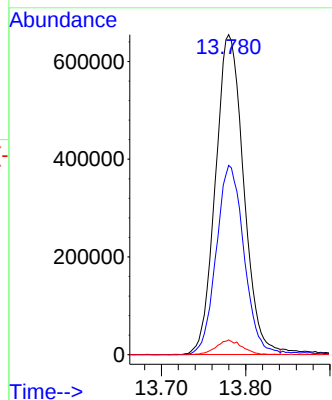
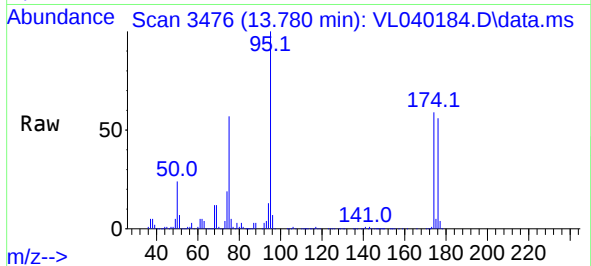




#68
1-Bromo-4-Fluorobenzene
Concen: 9.605 ppbv
RT: 13.780 min Scan# 3475
Delta R.T. 0.003 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

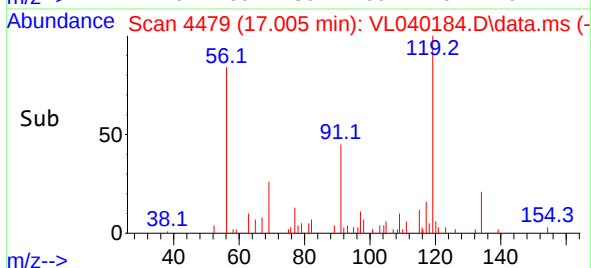
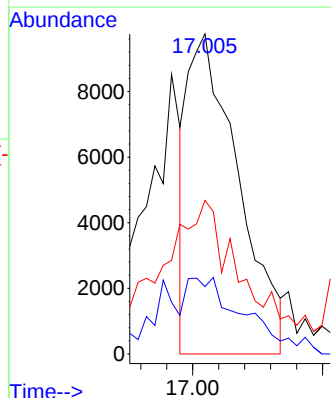
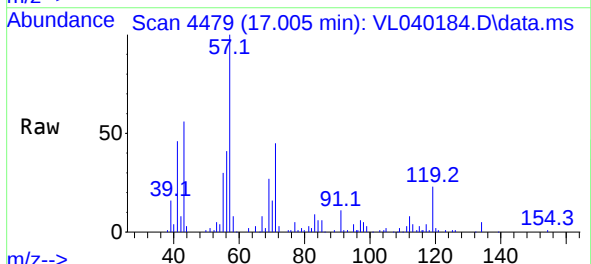
Instrument :
MSVOA_L
ClientSampleId :
SVP-03

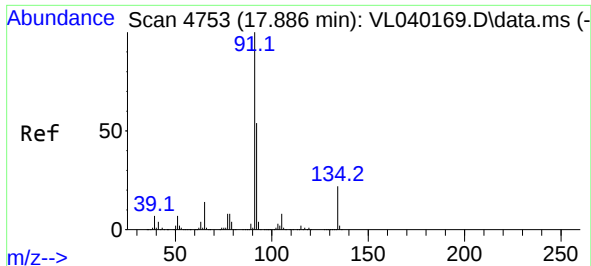
Tgt Ion: 95 Resp: 1517067
Ion Ratio Lower Upper
95 100
174 60.0 48.2 72.2
175 4.3 3.4 5.2



#69
p-Isopropyltoluene
Concen: 0.047 ppbv
RT: 17.005 min Scan# 4479
Delta R.T. 0.006 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

Tgt Ion: 119 Resp: 13293
Ion Ratio Lower Upper
119 100
134 41.0 20.2 30.2#
91 59.4 24.7 37.1#

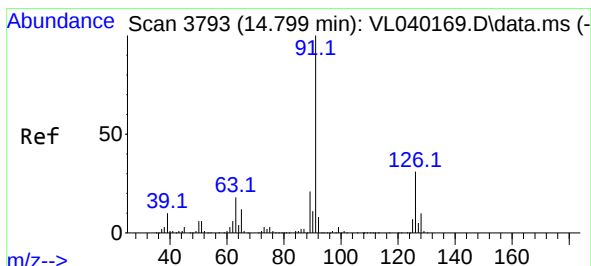
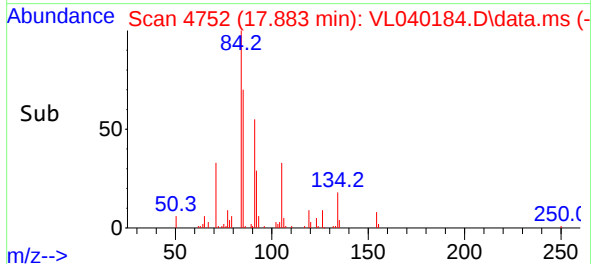
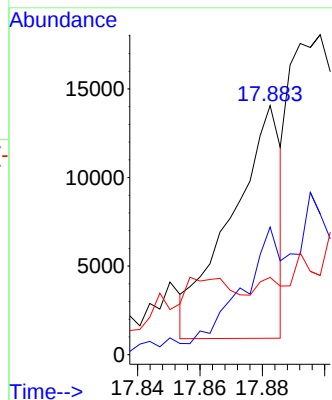
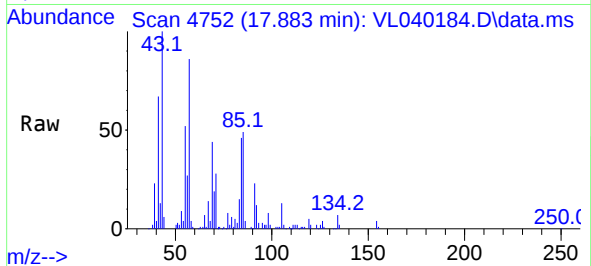




#70
n-Butylbenzene
Concen: 0.048 ppbv
RT: 17.883 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

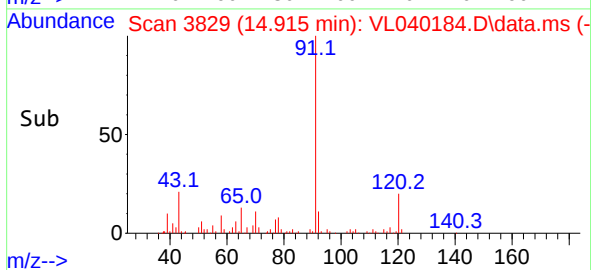
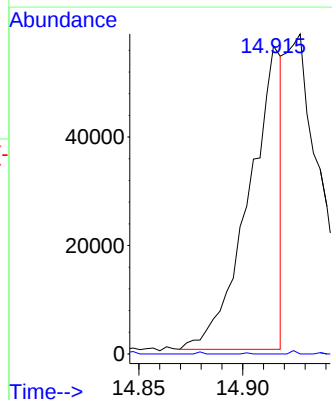
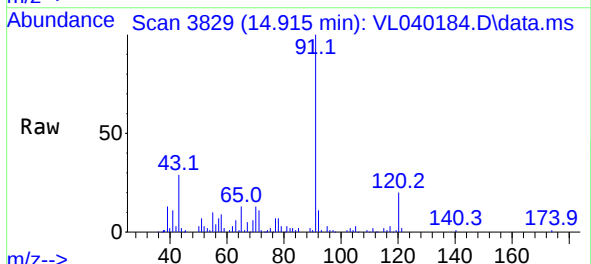
Instrument :
MSVOA_L
ClientSampleId :
SVP-03

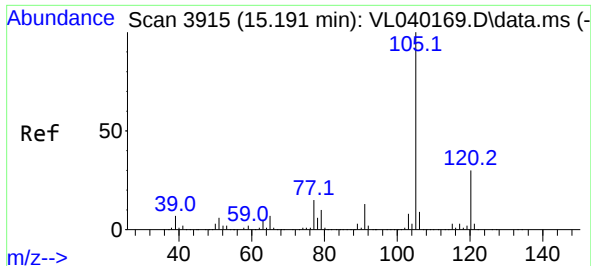
Tgt Ion: 91 Resp: 14557
Ion Ratio Lower Upper
91 100
92 0.0 43.0 64.6#
134 0.0 16.9 25.3#



#71
2-Chlorotoluene
Concen: 0.284 ppbv
RT: 14.915 min Scan# 3829
Delta R.T. 0.116 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

Tgt Ion: 91 Resp: 61929
Ion Ratio Lower Upper
91 100
126 3.7 12.0 48.2#



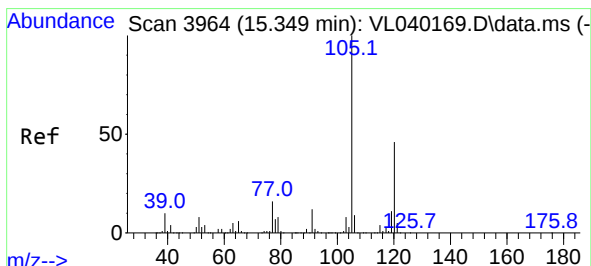
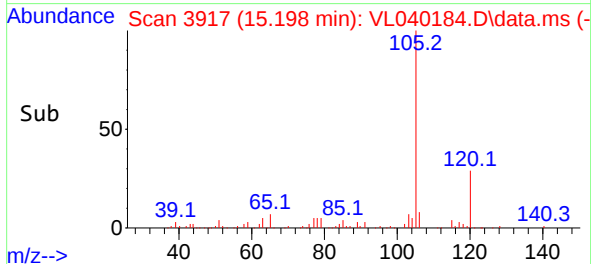
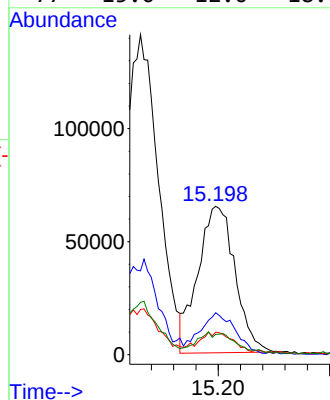
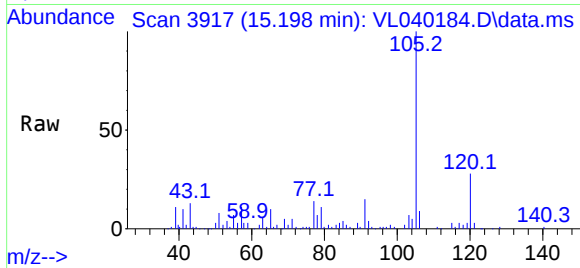


#72
4-Ethyltoluene
Concen: 0.684 ppbv
RT: 15.198 min Scan# 3917
Delta R.T. 0.006 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

Instrument :
MSVOA_L
ClientSampleId :
SVP-03

Tgt Ion:105 Resp: 150276

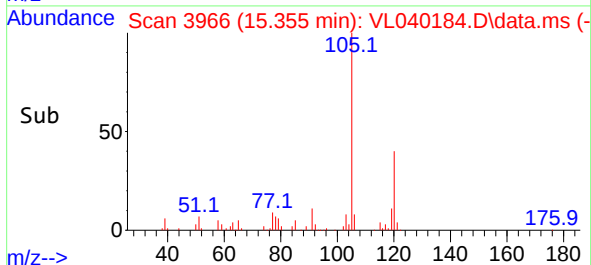
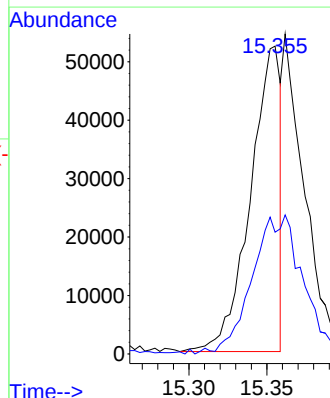
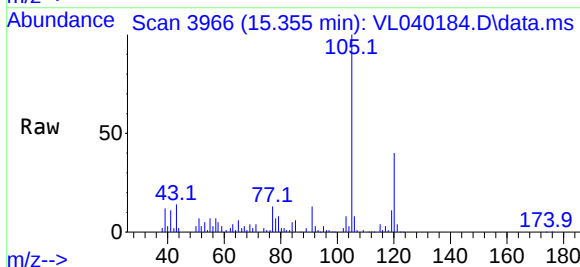
Ion	Ratio	Lower	Upper
105	100		
120	28.5	23.2	34.8
91	16.2	11.3	16.9
77	15.0	12.0	18.0

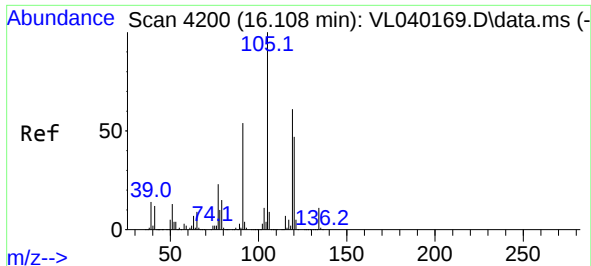


#73
1,3,5-Trimethylbenzene
Concen: 0.343 ppbv
RT: 15.355 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

Tgt Ion:105 Resp: 70247

Ion	Ratio	Lower	Upper
105	100		
120	39.2	36.8	55.2



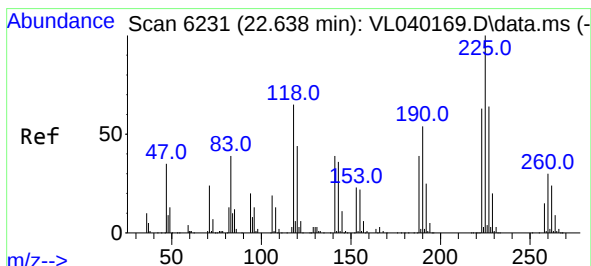
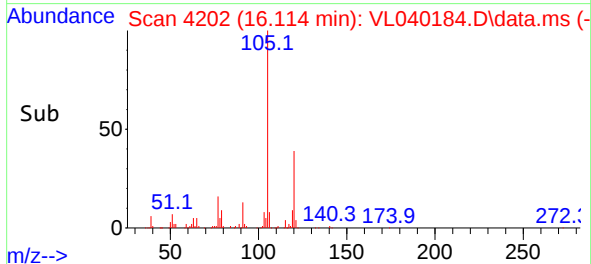
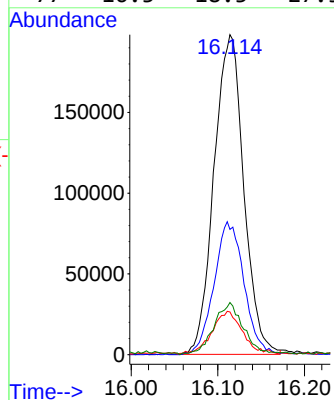
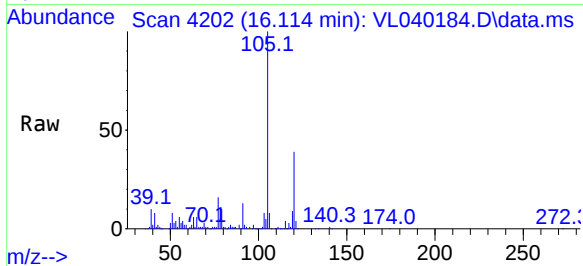


#74
1,2,4-Trimethylbenzene
Concen: 2.101 ppbv
RT: 16.114 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

Instrument :
MSVOA_L
ClientSampleId :
SVP-03

Tgt Ion:105 Resp: 472130

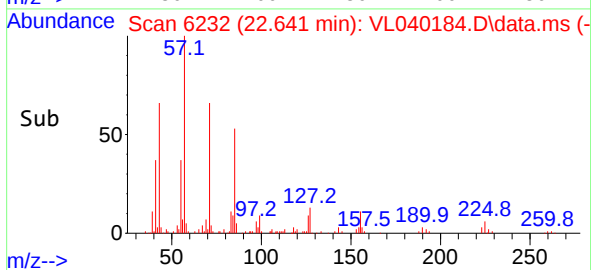
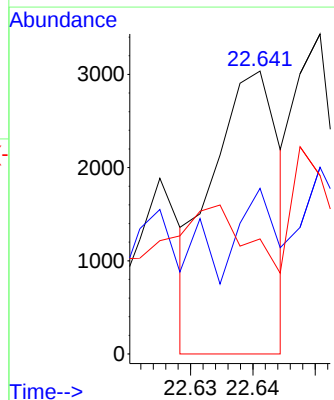
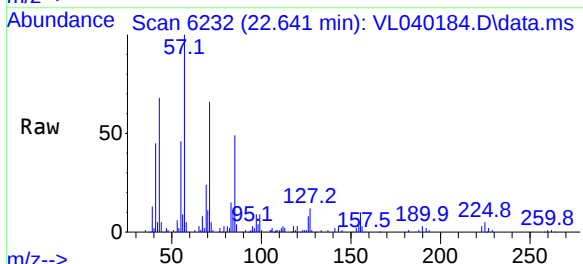
Ion	Ratio	Lower	Upper
105	100		
120	39.2	37.9	56.9
91	13.0	43.7	65.5#
77	16.3	18.3	27.5#

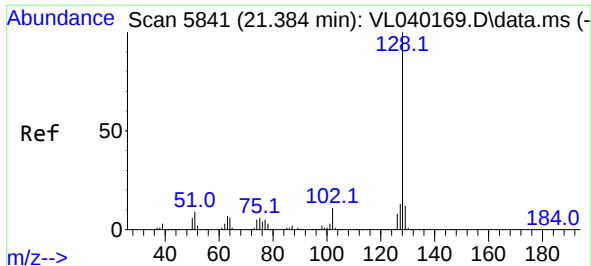


#78
Hexachloro-1,3-Butadiene
Concen: 0.027 ppbv
RT: 22.641 min Scan# 6232
Delta R.T. 0.003 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

Tgt Ion:225 Resp: 2272

Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.0	76.6#
227	0.0	51.2	76.8#

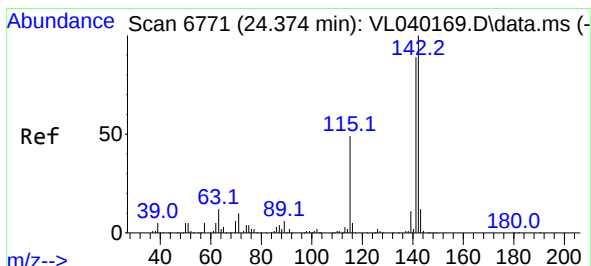
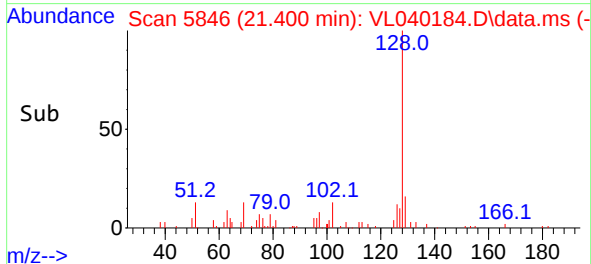
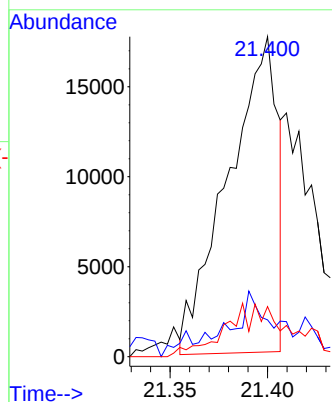
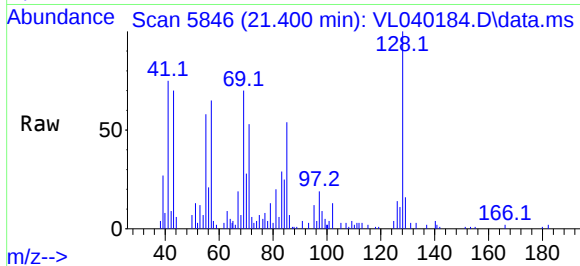




#79
Naphthalene
Concen: 0.246 ppbv
RT: 21.400 min Scan# 5846
Delta R.T. 0.016 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

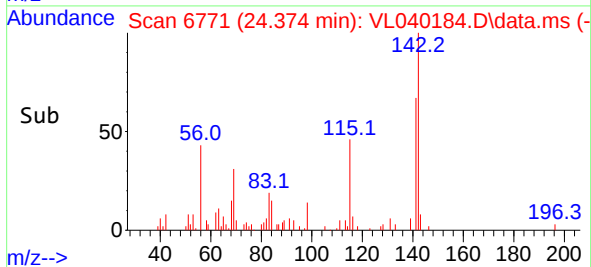
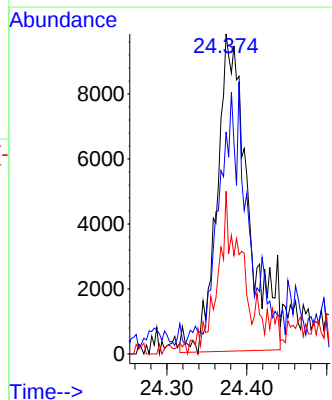
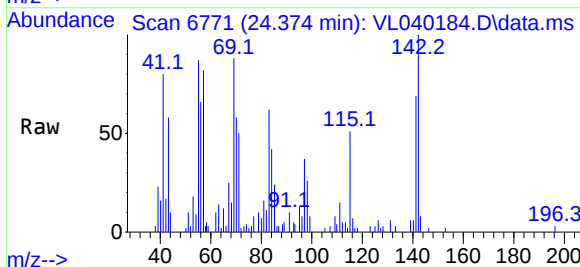
Instrument :
MSVOA_1
ClientSampleId :
SVP-03

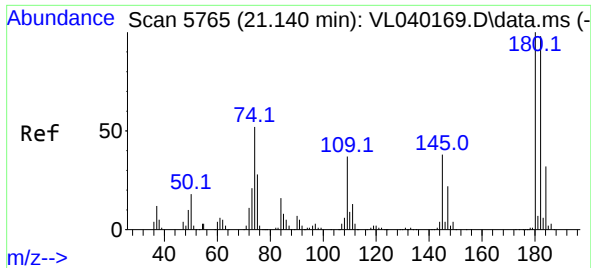
Tgt Ion:128 Resp: 31096
Ion Ratio Lower Upper
128 100
127 7.7 10.2 15.4#
129 13.5 9.4 14.0



#80
Naphthalene,2-methyl-
Concen: 0.740 ppbv
RT: 24.374 min Scan# 6771
Delta R.T. -0.000 min
Lab File: VL040184.D
Acq: 16 Feb 2023 18:48

Tgt Ion:142 Resp: 26583
Ion Ratio Lower Upper
142 100
141 68.3 67.3 100.9
115 51.8 36.5 54.7





#81

1,2,4-Trichlorobenzene

Concen: 0.025 ppbv

RT: 21.149 min Scan# 51

Delta R.T. 0.010 min

Lab File: VL040184.D

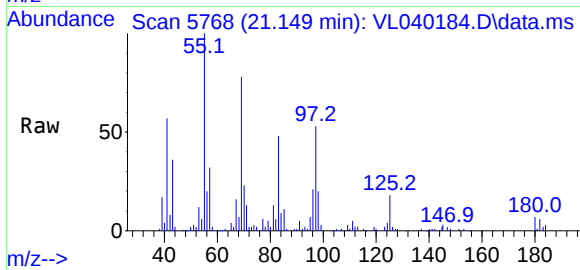
Acq: 16 Feb 2023 18:48

Instrument :

MSVOA_L

ClientSampleId :

SVP-03



Tgt Ion:180 Resp: 1975

Ion Ratio Lower Upper

180 100

182 0.0 79.0 118.6#

184 148.6 24.6 36.8#

