

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021623\
 Data File : VL040187.D
 Acq On : 16 Feb 2023 21:02
 Operator : SY/MD
 Sample : 01550-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-05

Quant Time: Feb 17 03:32:30 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	5.192	49	928356	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.658	114	2424322	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.478	117	2129210	10.000	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.789	95	1625332	9.283	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	47092	0.272	ppbv	98
3) Chlorodifluoromethane	2.665	51	47615	0.429	ppbv #	89
4) Chloromethane	2.803	50	23166	0.333	ppbv	89
5) Vinyl Chloride	2.912	62	1386	0.025	ppbv #	43
7) Chloroethane	3.189	64	3812	0.172	ppbv	96
8) Dichlorotetrafluoroethane	2.848	85	3195	0.021	ppbv #	75
9) Propene	2.684	41	1570623	34.744	ppbv	94
10) Heptane	7.584	43	254879	2.369	ppbv #	26
11) Trichlorofluoromethane	3.558	101	30278	0.195	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.063	101	7614	0.066	ppbv	97
13) Ethanol	3.250	45	124716	29.968	ppbv	96
15) Acetone	3.459	43	8522505	76.252	ppbv #	85
16) 1,3-Butadiene	2.960	39	996723	19.527	ppbv #	29
17) tert-Butyl alcohol	3.893	59	549980	5.396	ppbv	100
19) Isopropyl Alcohol	3.594	45	118594	2.232	ppbv #	90
20) Methylene Chloride	3.931	84	246118	4.230	ppbv	92
21) Allyl Chloride	3.983	41	7279	0.106	ppbv #	1
23) Vinyl Acetate	4.610	43	187613	5.531	ppbv #	17
25) Ethyl Acetate	5.211	43	476484	2.293	ppbv #	79
26) Hexane	5.211	57	665616	7.462	ppbv #	38
27) Carbon Disulfide	4.118	76	104895	0.927	ppbv	94
29) Chloroform	5.275	83	71504	0.467	ppbv	91
30) Cyclohexane	6.603	84	94849	1.354	ppbv	92
34) 2-Butanone	4.787	43	913462	7.638	ppbv	98
36) Benzene	6.369	78	473890	2.512	ppbv	98
39) 1,2-Dichloropropane	6.658	63	582265	7.934	ppbv #	25
41) Tetrahydrofuran	5.568	42	8957	0.129	ppbv #	83
42) Bromodichloromethane	7.253	83	13569	0.083	ppbv #	25
44) 2,2,4-Trimethylpentane	7.333	57	7680888	24.389	ppbv	93
50) 4-Methyl-2-Pentanone	8.198	43	74905	0.403	ppbv	100
51) 2-Hexanone	9.552	43	716038	5.014	ppbv #	83
52) Tetrachloroethene	10.626	164	78000	1.324	ppbv	95
53) Toluene	9.230	91	1156774	5.725	ppbv	99
58) Ethyl Benzene	12.095	91	430751	1.665	ppbv	95
59) m/p-Xylene	12.355	91	1178170	5.142	ppbv	94
60) o-Xylene	13.069	91	520150	2.359	ppbv	98
62) Isopropylbenzene	14.040	105	64043	0.202	ppbv	99
64) n-propylbenzene	14.931	120	33712	0.430	ppbv	85
65) tert-Butylbenzene	16.117	119	55215	0.201	ppbv #	61
66) Benzyl Chloride	16.297	91	649	0.035	ppbv #	1
67) sec-Butylbenzene	16.641	105	14101	0.036	ppbv #	78
70) n-Butylbenzene	17.905	91	8401	0.025	ppbv #	33
71) 2-Chlorotoluene	15.204	91	11396	0.047	ppbv	82

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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

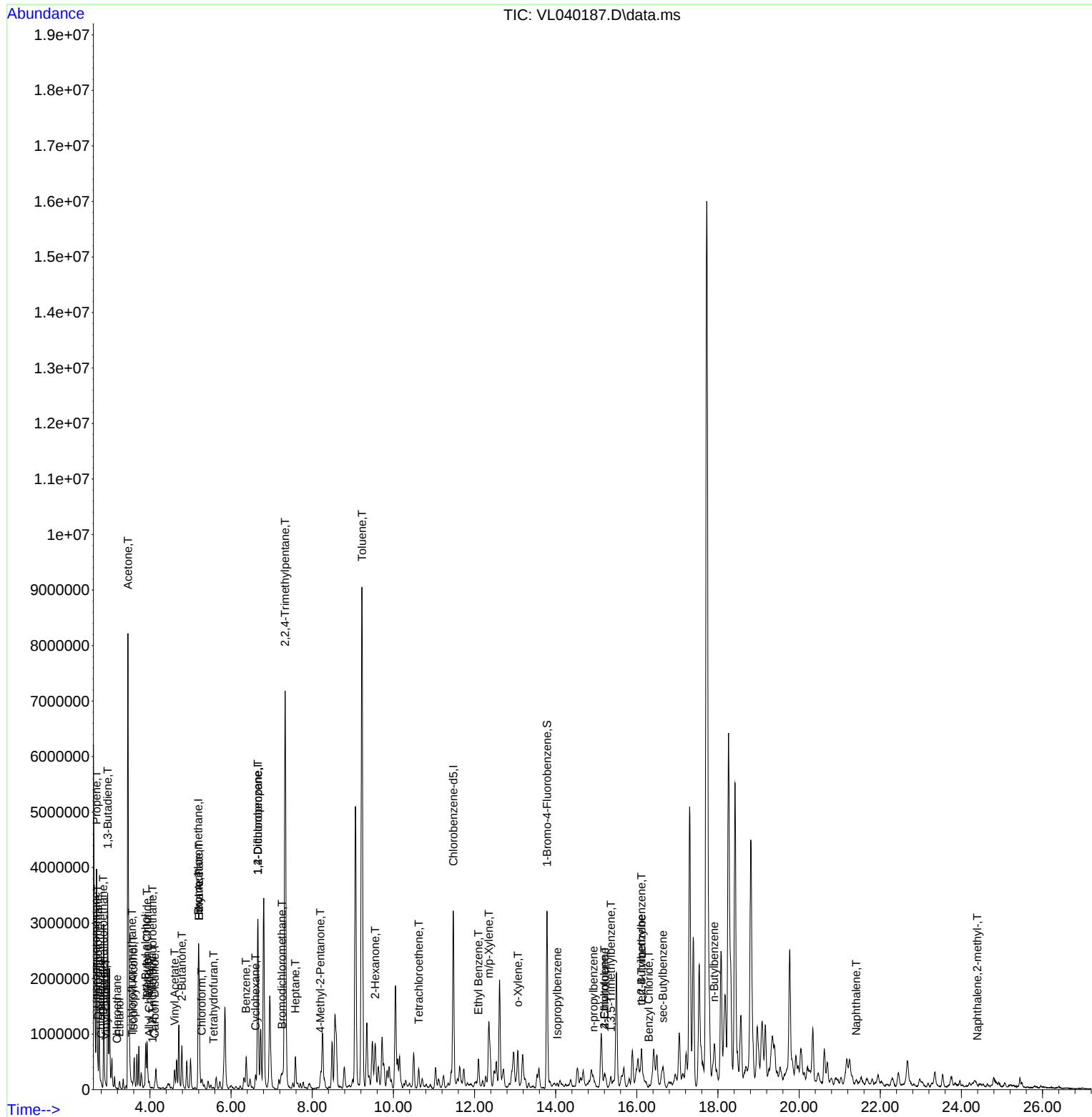
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Ethyltoluene	15.204	105	169181	0.694	ppbv	98
73) 1,3,5-Trimethylbenzene	15.362	105	140740	0.621	ppbv	94
74) 1,2,4-Trimethylbenzene	16.114	105	514924	2.067	ppbv #	70
79) Naphthalene	21.410	128	10759	0.077	ppbv #	77
80) Naphthalene,2-methyl-	24.394	142	5340	0.134	ppbv #	91

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

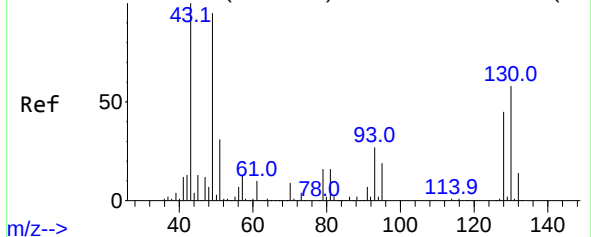
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021623\
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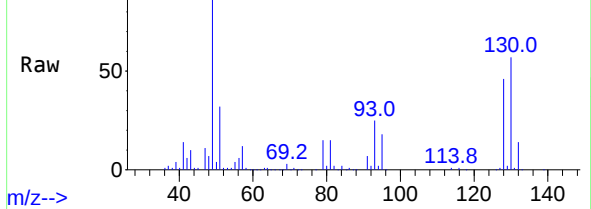


Abundance Scan 801 (5.179 min): VL040169.D\data.ms (-78)



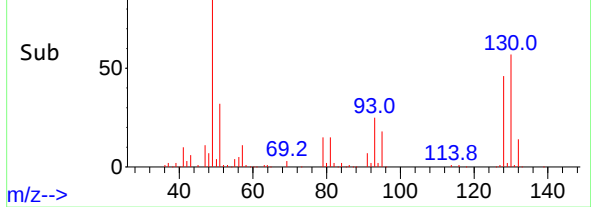
m/z-->

Abundance Scan 805 (5.192 min): VL040187.D\data.ms



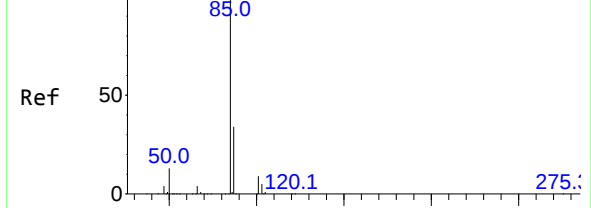
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Abundance Scan 805 (5.192 min): VL040187.D\data.ms (-64)



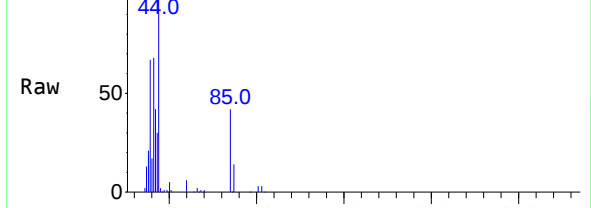
m/z-->

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



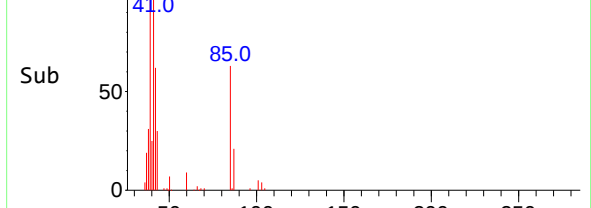
m/z-->

Abundance Scan 36 (2.719 min): VL040187.D\data.ms



m/z-->

Abundance Scan 36 (2.719 min): VL040187.D\data.ms (-1)



m/z-->

#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.192 min Scan# 80

Delta R.T. 0.013 min

Lab File: VL040187.D

Acq: 16 Feb 2023 21:02

Instrument :

MSVOA_L

ClientSampleId :

SVP-05

Tgt Ion: 49 Resp: 928356

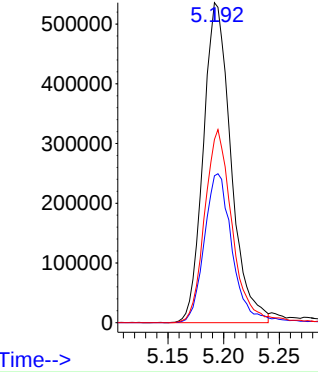
Ion Ratio Lower Upper

49 100

128 47.6 24.1 72.3

130 61.0 30.9 92.8

Abundance



Time-->

#2

Dichlorodifluoromethane

Concen: 0.272 ppbv

RT: 2.719 min Scan# 36

Delta R.T. 0.006 min

Lab File: VL040187.D

Acq: 16 Feb 2023 21:02

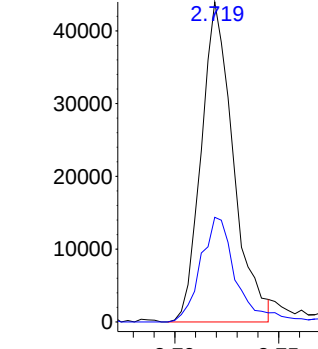
Tgt Ion: 85 Resp: 47092

Ion Ratio Lower Upper

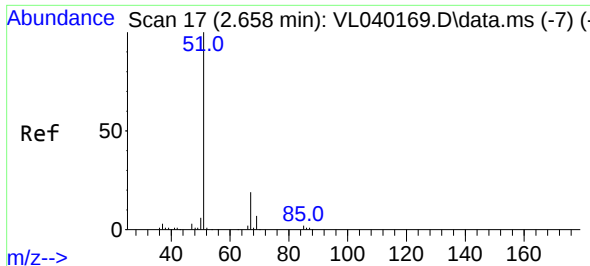
85 100

87 32.7 27.0 40.6

Abundance



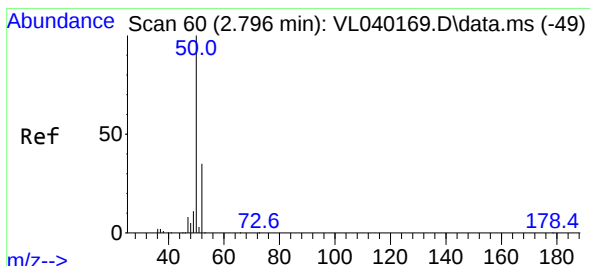
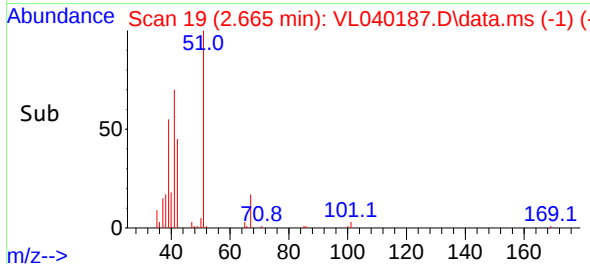
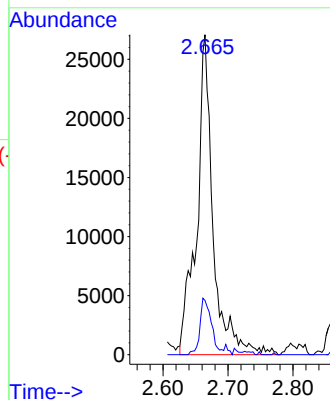
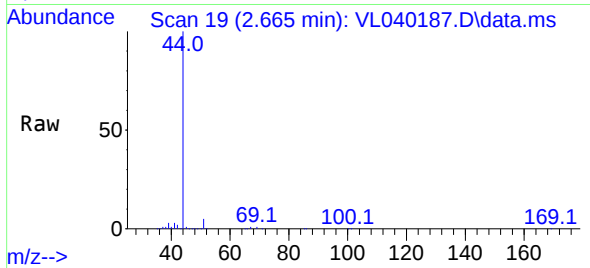
Time-->



#3
Chlorodifluoromethane
Concen: 0.429 ppbv
RT: 2.665 min Scan# 19
Delta R.T. 0.006 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

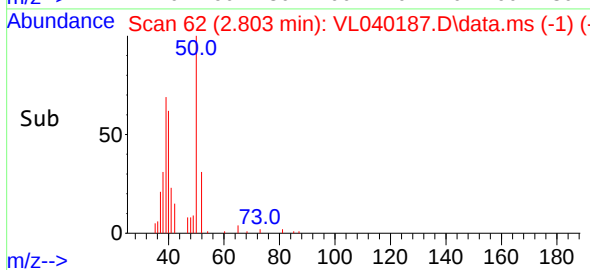
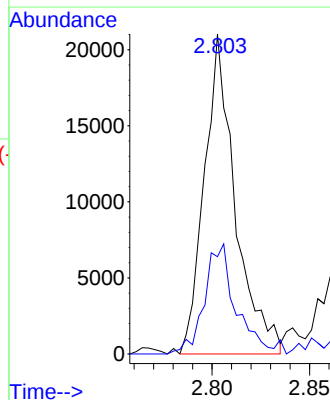
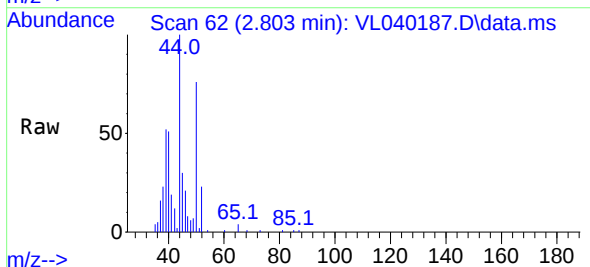
Instrument :
MSVOA_L
ClientSampleId :
SVP-05

Tgt Ion: 51 Resp: 47615
Ion Ratio Lower Upper
51 100
67 14.2 15.4 23.2#

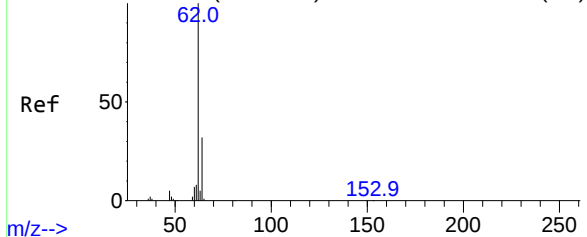


#4
Chloromethane
Concen: 0.333 ppbv
RT: 2.803 min Scan# 62
Delta R.T. 0.006 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

Tgt Ion: 50 Resp: 23166
Ion Ratio Lower Upper
50 100
52 29.0 28.3 42.5



Abundance Scan 93 (2.902 min): VL040169.D\data.ms (-85)

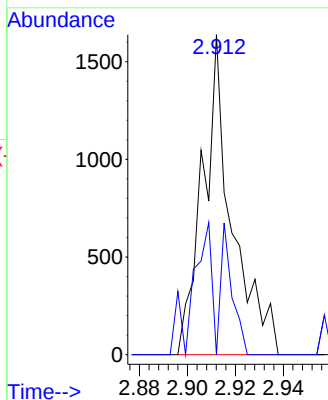
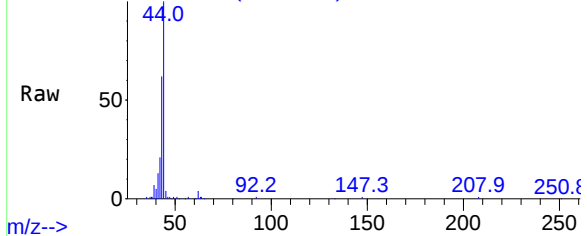


#5
Vinyl Chloride
Concen: 0.025 ppbv
RT: 2.912 min Scan# 90
Delta R.T. 0.010 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

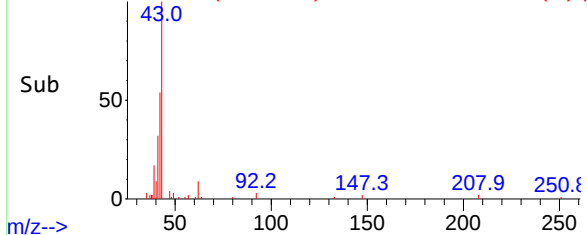
Instrument :
MSVOA_L
ClientSampleId :
SVP-05

Tgt Ion: 62 Resp: 1386
Ion Ratio Lower Upper
62 100
64 0.0 25.6 38.4#

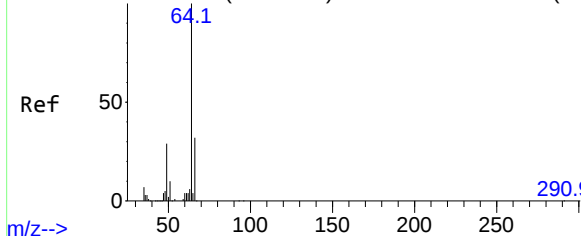
Abundance Scan 96 (2.912 min): VL040187.D\data.ms



Abundance Scan 96 (2.912 min): VL040187.D\data.ms (-1)



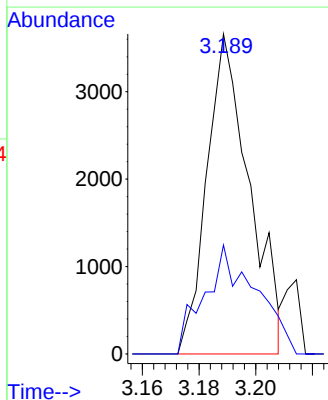
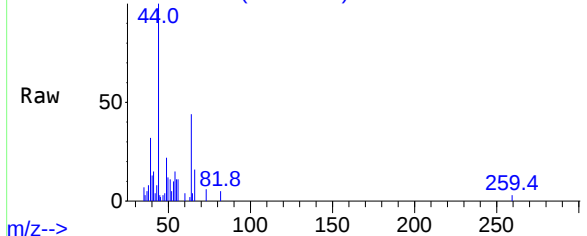
Abundance Scan 180 (3.182 min): VL040169.D\data.ms (-17)



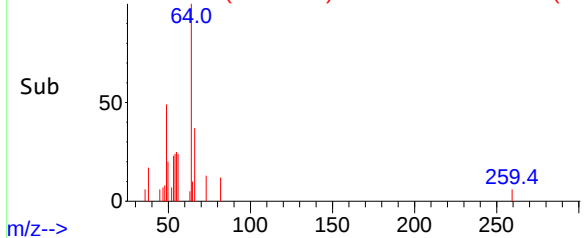
#7
Chloroethane
Concen: 0.172 ppbv
RT: 3.189 min Scan# 182
Delta R.T. 0.006 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

Tgt Ion: 64 Resp: 3812
Ion Ratio Lower Upper
64 100
66 34.0 25.4 38.2

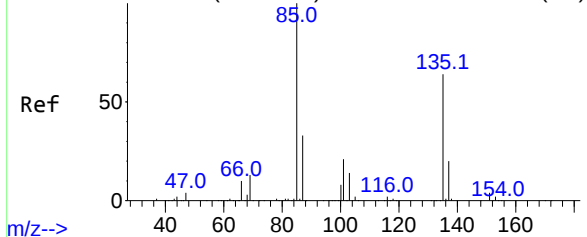
Abundance Scan 182 (3.189 min): VL040187.D\data.ms



Abundance Scan 182 (3.189 min): VL040187.D\data.ms (-24)



Abundance Scan 74 (2.841 min): VL040169.D\data.ms (-64)

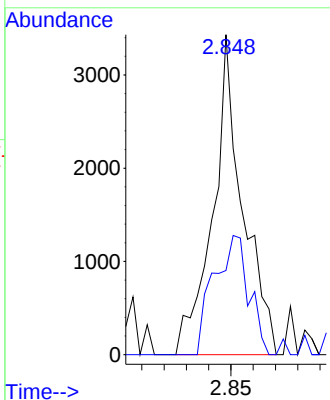
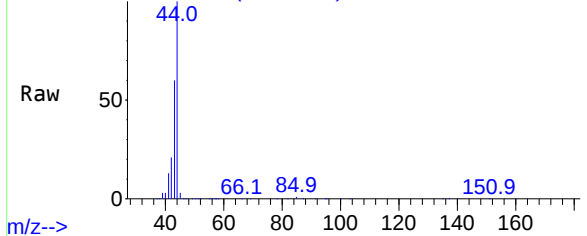


#8
Dichlorotetrafluoroethane
Concen: 0.021 ppbv
RT: 2.848 min Scan# 70
Delta R.T. 0.006 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

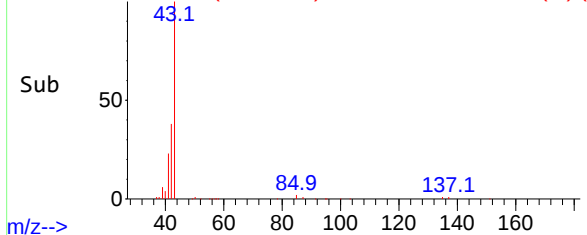
Instrument :
MSVOA_L
ClientSampleId :
SVP-05

Tgt Ion: 85 Resp: 3195
Ion Ratio Lower Upper
85 100
135 44.6 51.5 77.3#

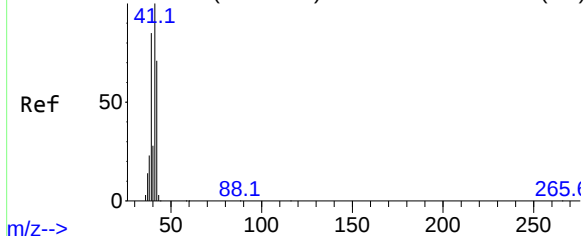
Abundance Scan 76 (2.848 min): VL040187.D\data.ms



Abundance Scan 76 (2.848 min): VL040187.D\data.ms (-1) (-)



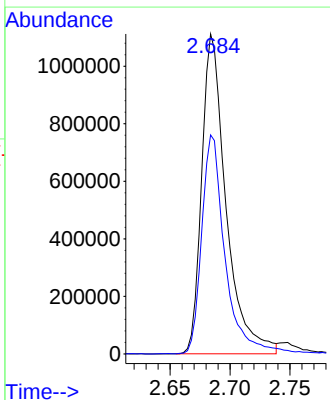
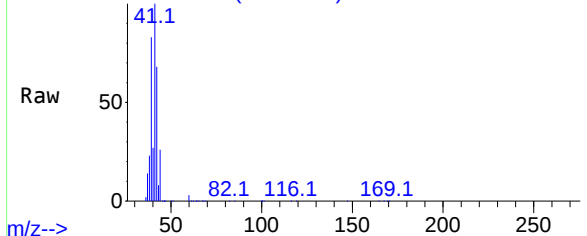
Abundance Scan 23 (2.677 min): VL040169.D\data.ms (-13)



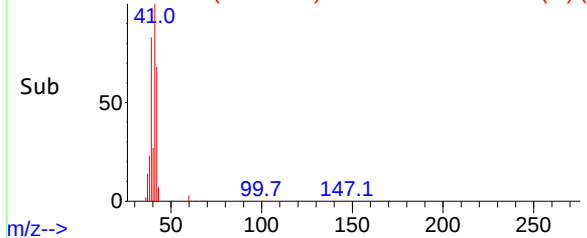
#9
Propene
Concen: 34.744 ppbv
RT: 2.684 min Scan# 25
Delta R.T. 0.006 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

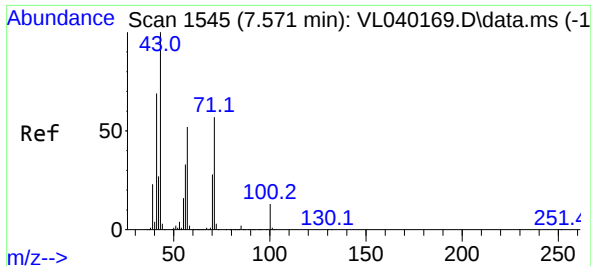
Tgt Ion: 41 Resp: 1570623
Ion Ratio Lower Upper
41 100
42 66.4 56.9 85.3

Abundance Scan 25 (2.684 min): VL040187.D\data.ms



Abundance Scan 25 (2.684 min): VL040187.D\data.ms (-1) (-)





#10

Heptane

Concen: 2.369 ppbv

RT: 7.584 min Scan# 11

Delta R.T. 0.013 min

Lab File: VL040187.D

Acq: 16 Feb 2023 21:02

Instrument :

MSVOA_L

ClientSampleId :

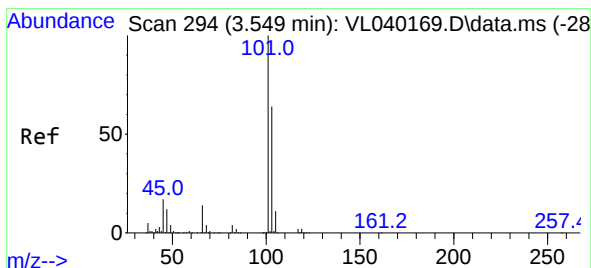
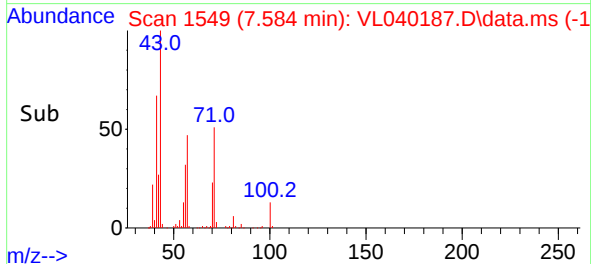
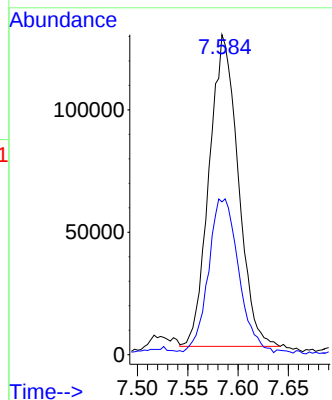
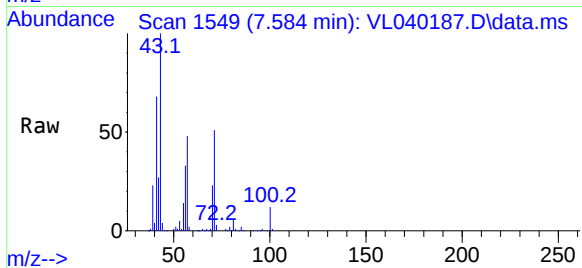
SVP-05

Tgt Ion: 43 Resp: 254879

Ion Ratio Lower Upper

43 100

57 0.0 41.4 62.2#



#11

Trichlorofluoromethane

Concen: 0.195 ppbv

RT: 3.558 min Scan# 297

Delta R.T. 0.010 min

Lab File: VL040187.D

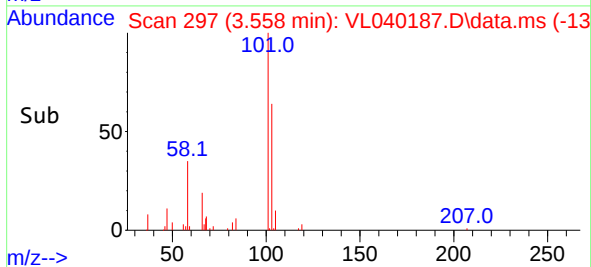
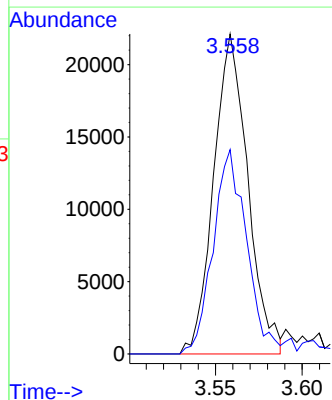
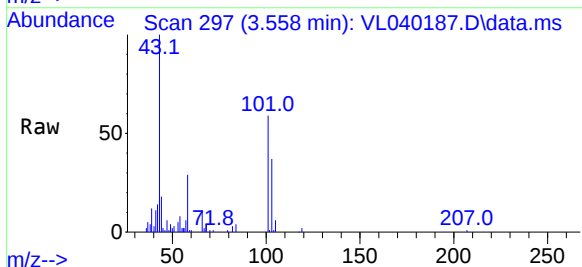
Acq: 16 Feb 2023 21:02

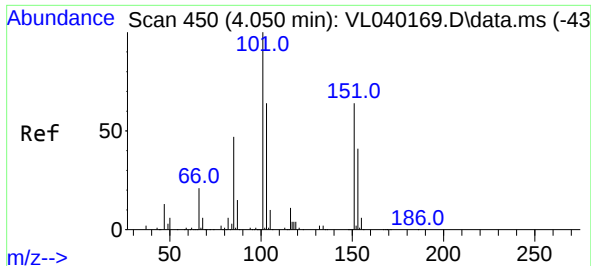
Tgt Ion:101 Resp: 30278

Ion Ratio Lower Upper

101 100

103 63.9 51.0 76.6





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.066 ppbv

RT: 4.063 min Scan# 4

Delta R.T. 0.013 min

Lab File: VL040187.D

Acq: 16 Feb 2023 21:02

Instrument :

MSVOA_L

ClientSampleId :

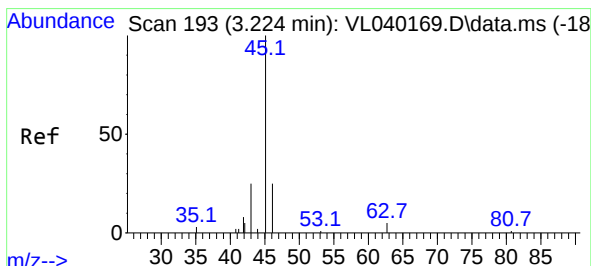
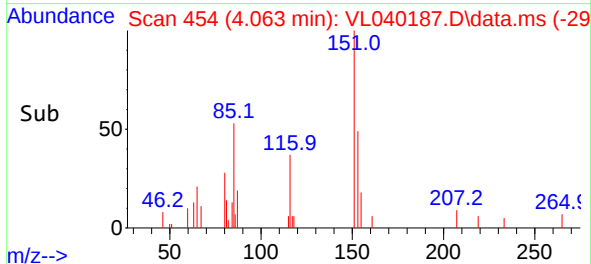
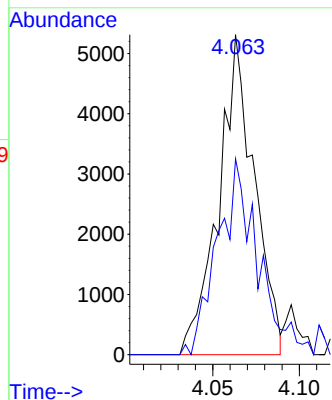
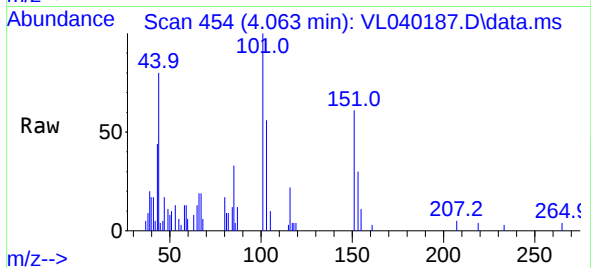
SVP-05

Tgt Ion:101 Resp: 7614

Ion Ratio Lower Upper

101 100

151 70.7 54.7 82.1



#13

Ethanol

Concen: 29.968 ppbv

RT: 3.250 min Scan# 201

Delta R.T. 0.026 min

Lab File: VL040187.D

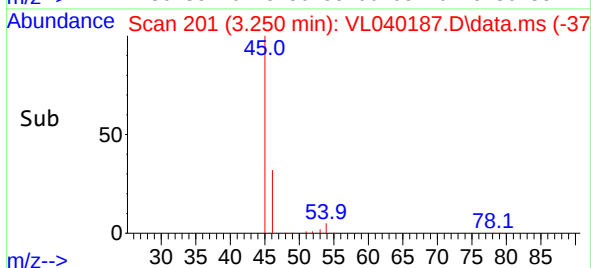
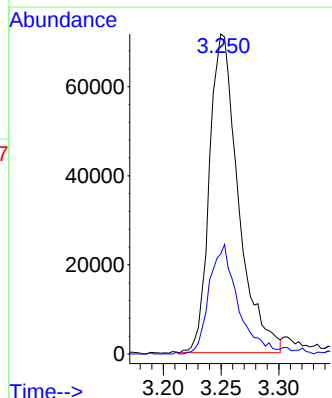
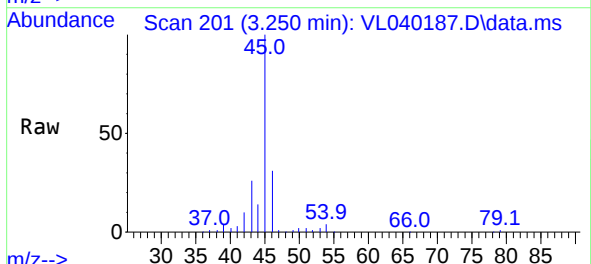
Acq: 16 Feb 2023 21:02

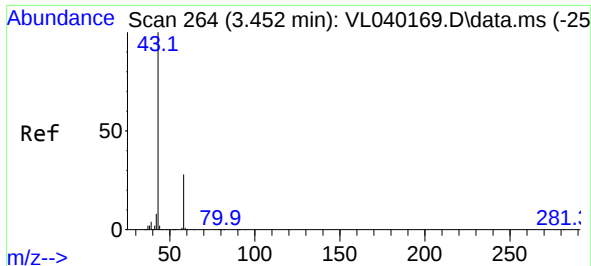
Tgt Ion: 45 Resp: 124716

Ion Ratio Lower Upper

45 100

46 35.4 13.3 53.1





#15

Acetone

Concen: 76.252 ppbv

RT: 3.459 min Scan# 2

Delta R.T. 0.006 min

Lab File: VL040187.D

Acq: 16 Feb 2023 21:02

Instrument :

MSVOA_L

ClientSampleId :

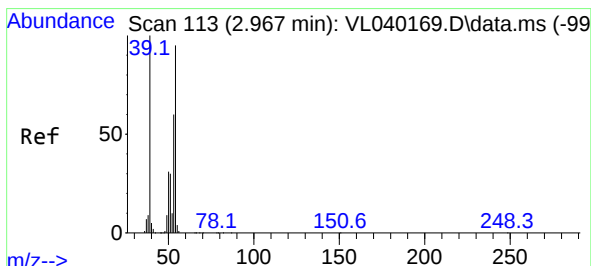
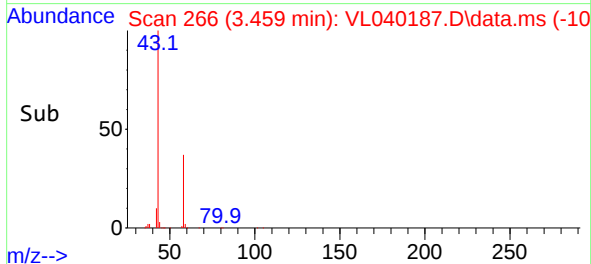
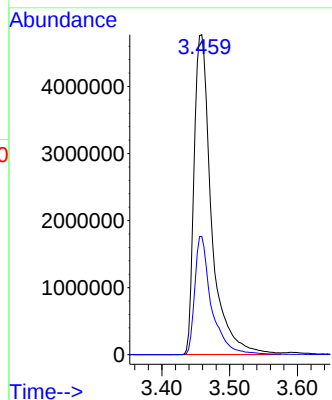
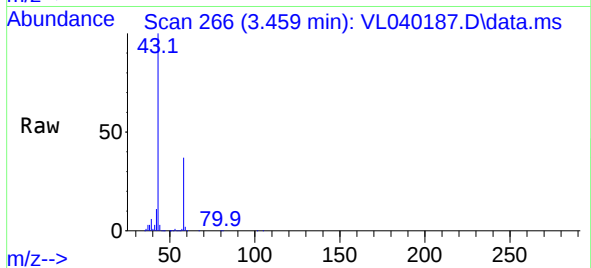
SVP-05

Tgt Ion: 43 Resp: 8522505

Ion Ratio Lower Upper

43 100

58 35.8 22.4 33.6#



#16

1,3-Butadiene

Concen: 19.527 ppbv

RT: 2.960 min Scan# 111

Delta R.T. -0.006 min

Lab File: VL040187.D

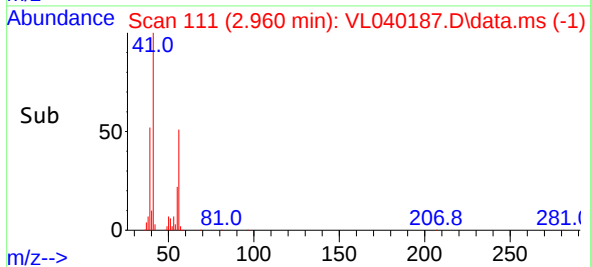
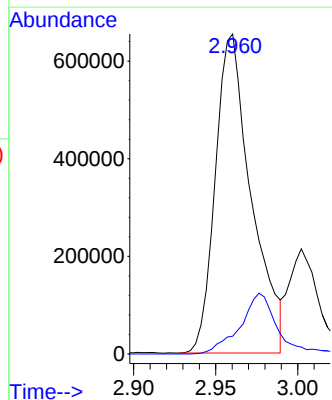
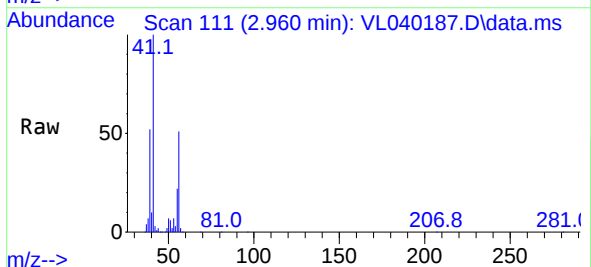
Acq: 16 Feb 2023 21:02

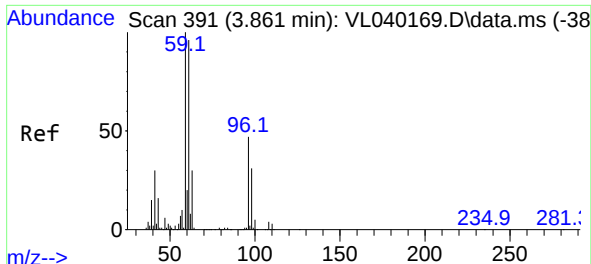
Tgt Ion: 39 Resp: 996723

Ion Ratio Lower Upper

39 100

54 19.7 66.7 100.1#





#17

tert-Butyl alcohol

Concen: 5.396 ppbv

RT: 3.893 min Scan# 401

Delta R.T. 0.032 min

Lab File: VL040187.D

Acq: 16 Feb 2023 21:02

Instrument :

MSVOA_L

ClientSampleId :

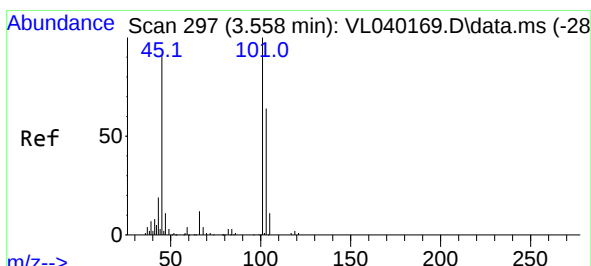
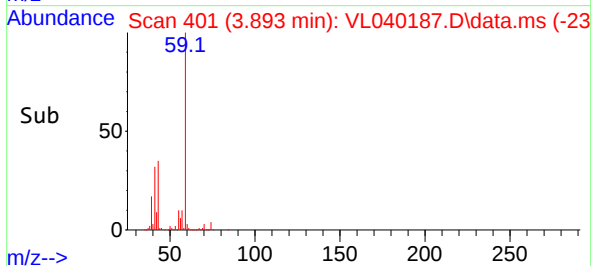
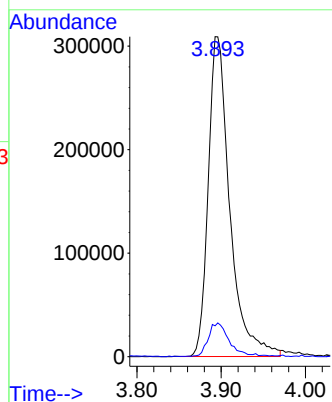
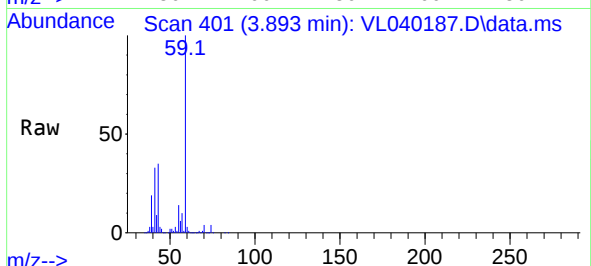
SVP-05

Tgt Ion: 59 Resp: 549980

Ion Ratio Lower Upper

59 100

57 10.7 8.5 12.7



#19

Isopropyl Alcohol

Concen: 2.232 ppbv

RT: 3.594 min Scan# 308

Delta R.T. 0.035 min

Lab File: VL040187.D

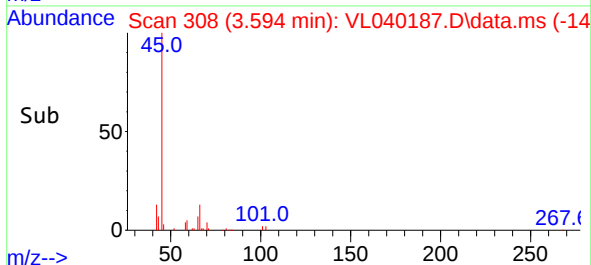
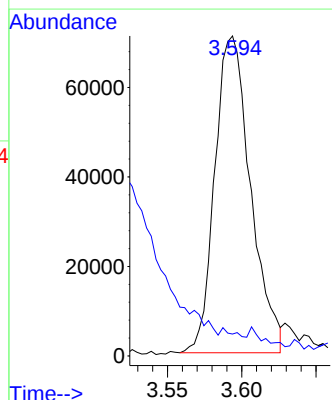
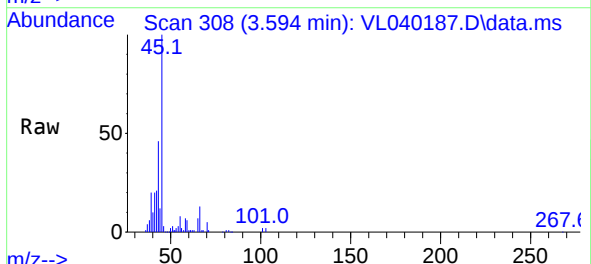
Acq: 16 Feb 2023 21:02

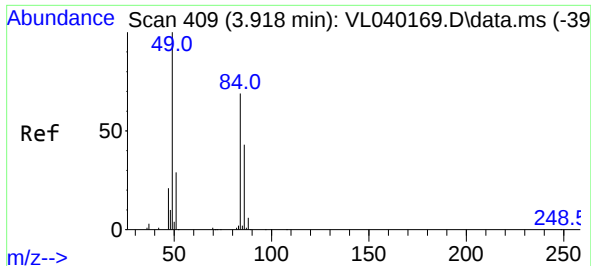
Tgt Ion: 45 Resp: 118594

Ion Ratio Lower Upper

45 100

58 0.0 2.6 3.8#

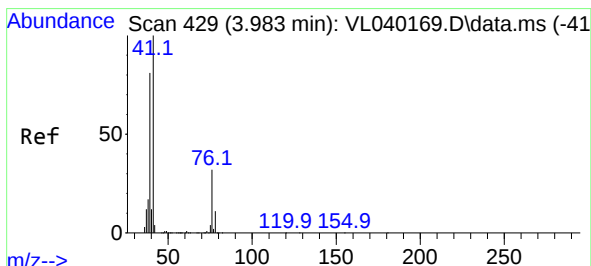
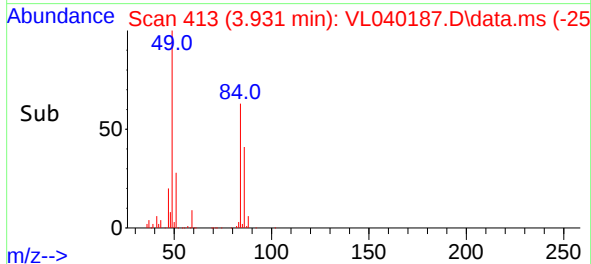
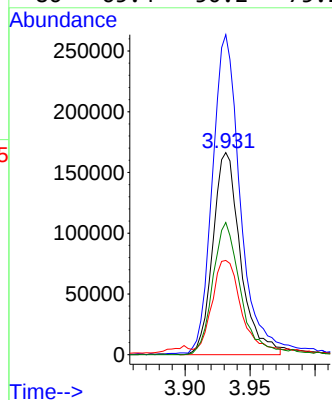
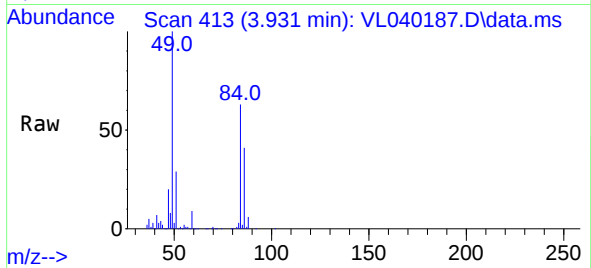




#20
Methylene Chloride
Concen: 4.230 ppbv
RT: 3.931 min Scan# 413
Delta R.T. 0.013 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

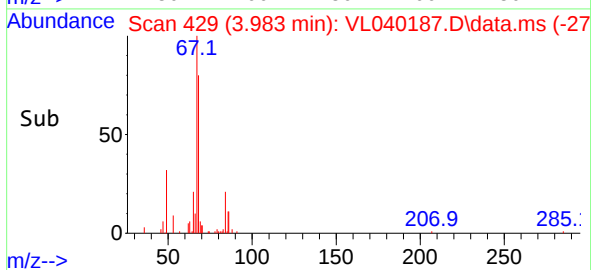
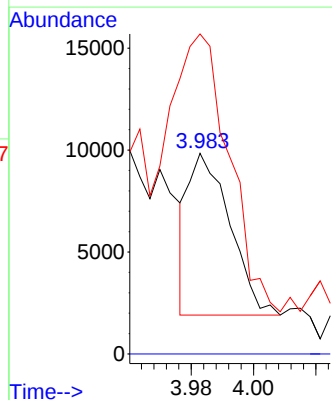
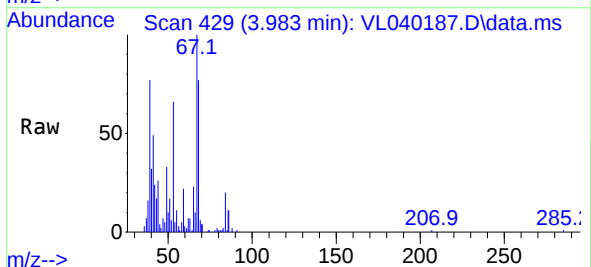
Instrument :
MSVOA_L
ClientSampleId :
SVP-05

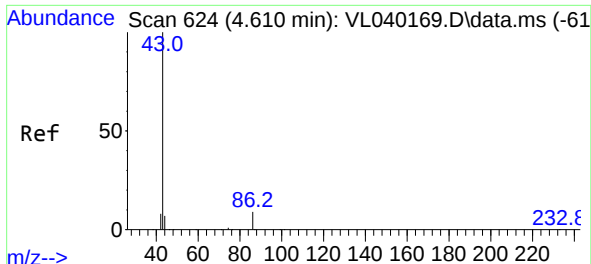
Tgt Ion: 84 Resp: 246118
Ion Ratio Lower Upper
84 100
49 157.5 115.5 173.3
51 43.9 33.1 49.7
86 65.4 50.2 75.2



#21
Allyl Chloride
Concen: 0.106 ppbv
RT: 3.983 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

Tgt Ion: 41 Resp: 7279
Ion Ratio Lower Upper
41 100
76 0.0 25.5 38.3#
39 336.9 64.5 96.7#



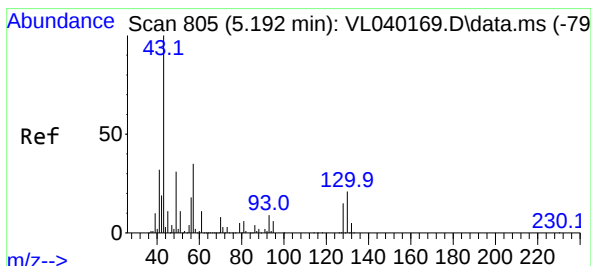
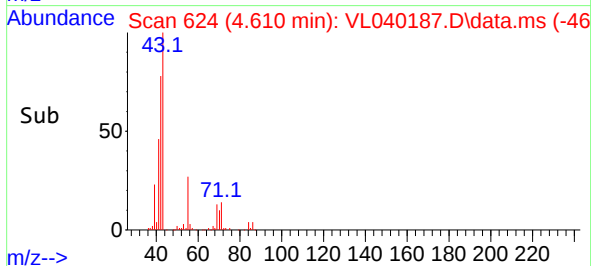
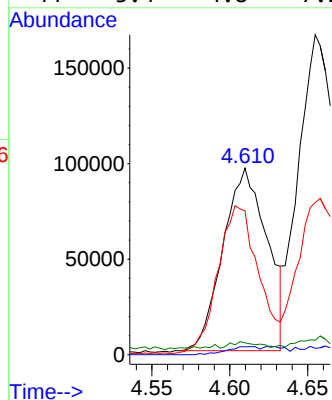
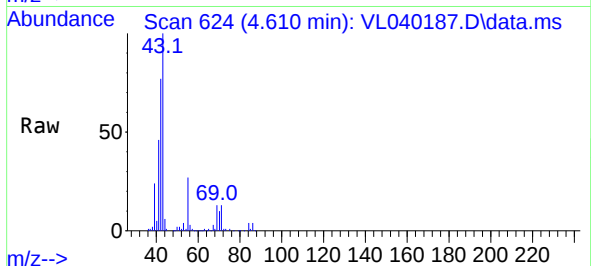


#23
 Vinyl Acetate
 Concen: 5.531 ppbv
 RT: 4.610 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL040187.D
 Acq: 16 Feb 2023 21:02

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-05

Tgt Ion: 43 Resp: 187613

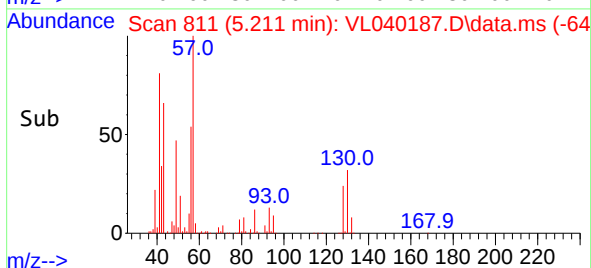
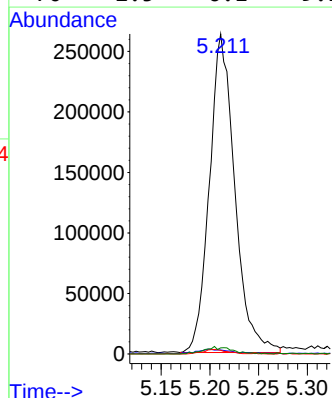
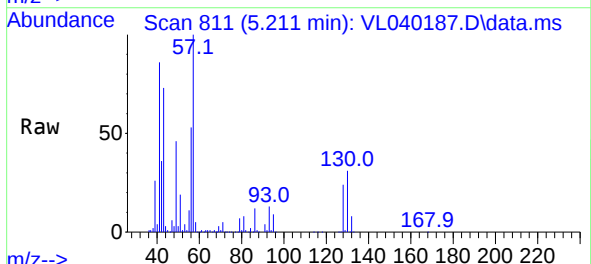
Ion	Ratio	Lower	Upper
43	100		
86	4.3	5.6	8.4#
42	77.5	7.6	11.4#
44	3.4	4.8	7.2#

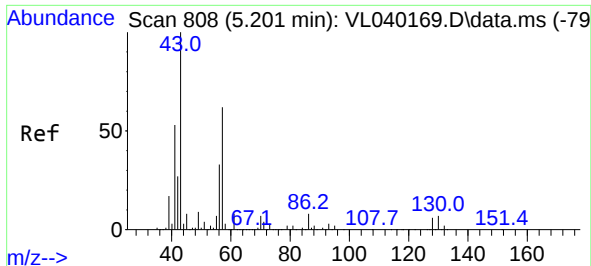


#25
 Ethyl Acetate
 Concen: 2.293 ppbv
 RT: 5.211 min Scan# 811
 Delta R.T. 0.019 min
 Lab File: VL040187.D
 Acq: 16 Feb 2023 21:02

Tgt Ion: 43 Resp: 476484

Ion	Ratio	Lower	Upper
43	100		
45	1.8	8.3	12.5#
61	1.4	8.4	12.6#
70	2.5	6.1	9.1#

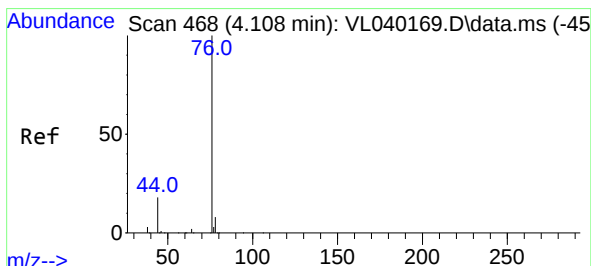
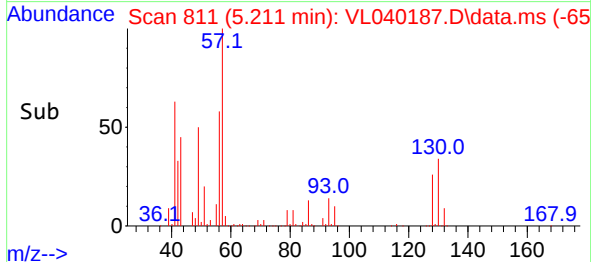
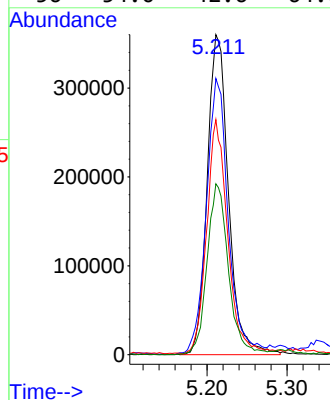
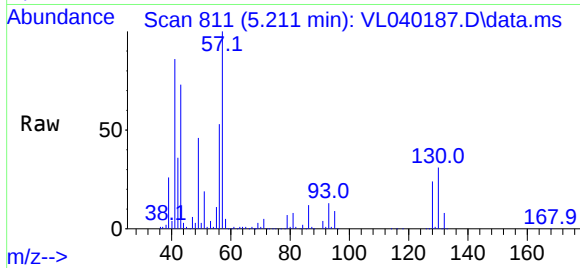




#26
Hexane
Concen: 7.462 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.010 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

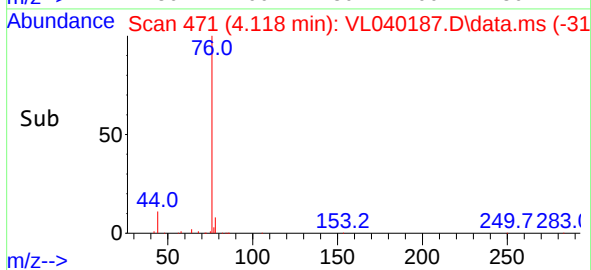
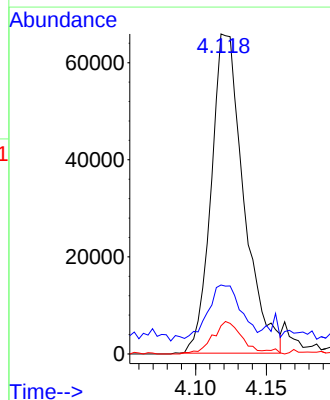
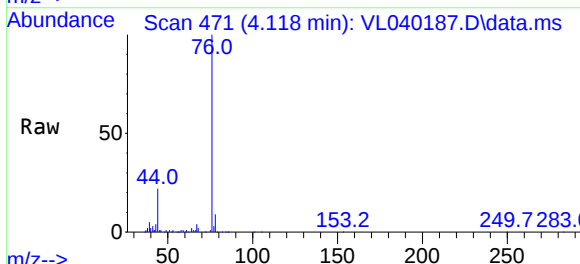
Instrument :
MSVOA_L
ClientSampleId :
SVP-05

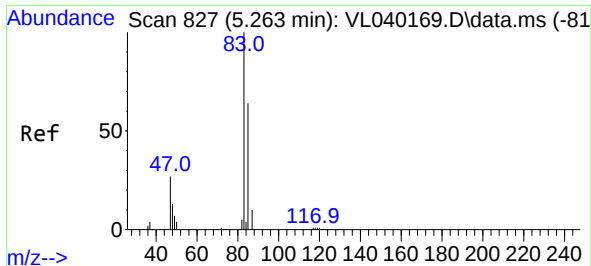
Tgt Ion: 57 Resp: 665616
Ion Ratio Lower Upper
57 100
41 91.4 74.3 111.5
43 72.5 193.0 289.4#
56 54.0 42.6 64.0



#27
Carbon Disulfide
Concen: 0.927 ppbv
RT: 4.118 min Scan# 471
Delta R.T. 0.010 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

Tgt Ion: 76 Resp: 104895
Ion Ratio Lower Upper
76 100
44 15.6 15.3 22.9
78 10.1 7.7 11.5





#29

Chloroform

Concen: 0.467 ppbv

RT: 5.275 min Scan# 81

Delta R.T. 0.013 min

Lab File: VL040187.D

Acq: 16 Feb 2023 21:02

Instrument :

MSVOA_L

ClientSampleId :

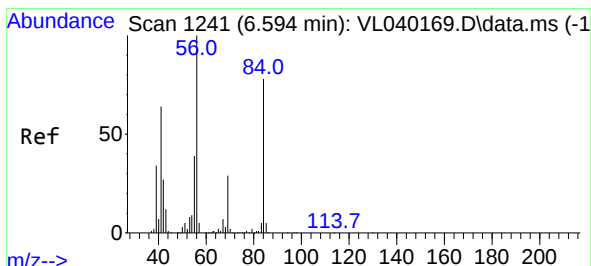
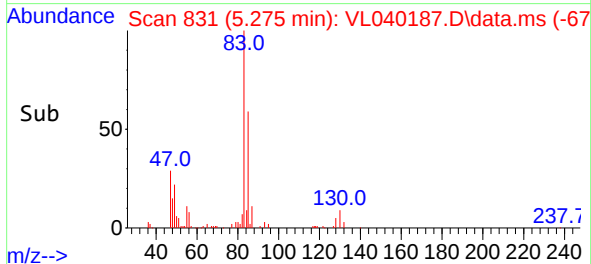
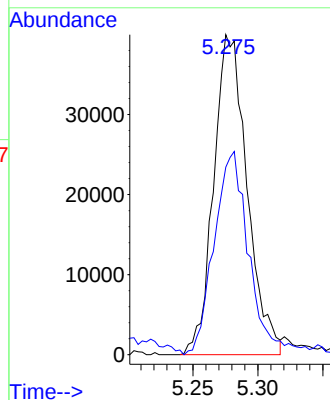
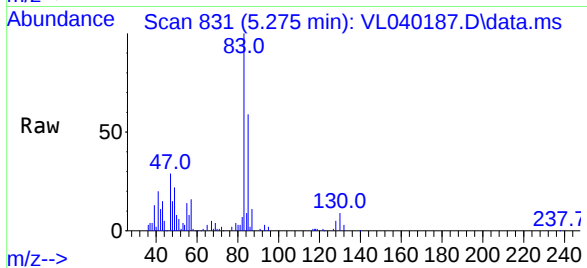
SVP-05

Tgt Ion: 83 Resp: 71504

Ion Ratio Lower Upper

83 100

85 57.1 51.5 77.3



#30

Cyclohexane

Concen: 1.354 ppbv

RT: 6.603 min Scan# 1244

Delta R.T. 0.010 min

Lab File: VL040187.D

Acq: 16 Feb 2023 21:02

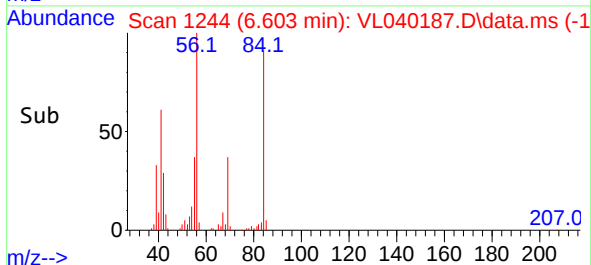
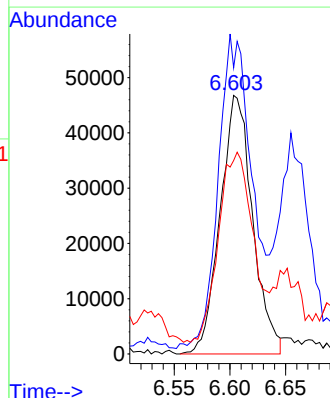
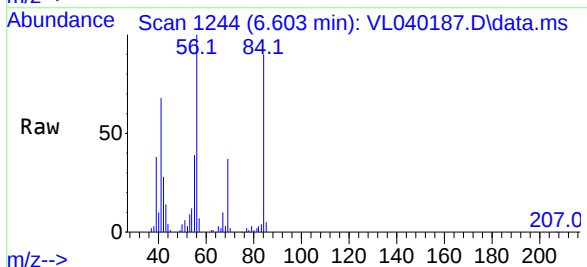
Tgt Ion: 84 Resp: 94849

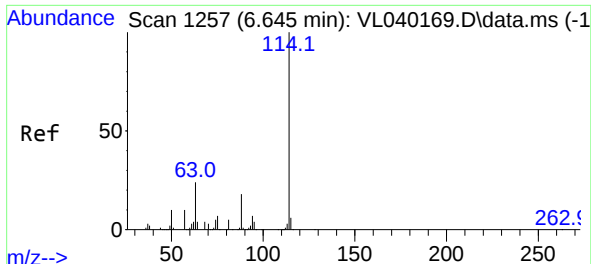
Ion Ratio Lower Upper

84 100

56 131.2 109.9 164.9

41 97.3 67.8 101.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 11

Delta R.T. 0.013 min

Lab File: VL040187.D

Acq: 16 Feb 2023 21:02

Instrument :

MSVOA_L

ClientSampleId :

SVP-05

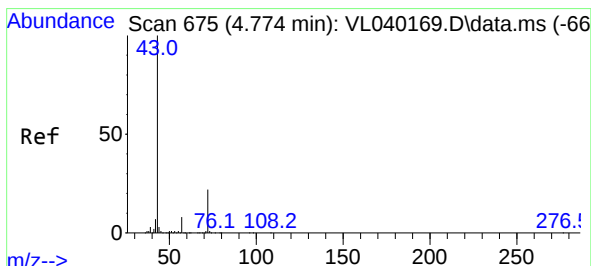
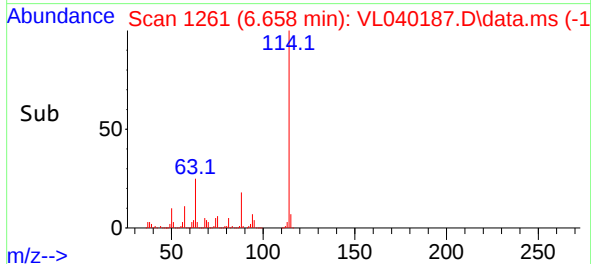
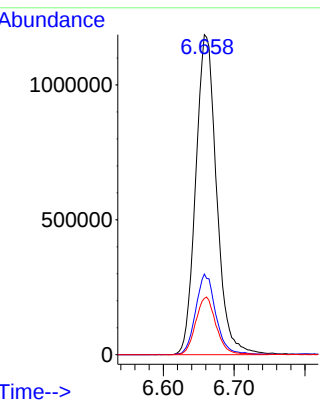
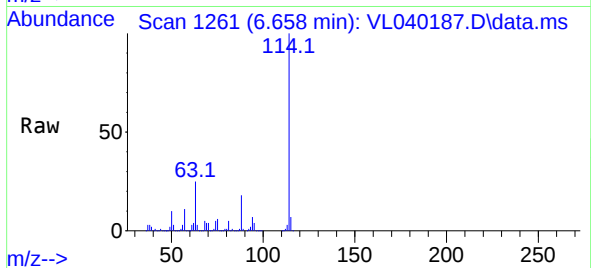
Tgt Ion:114 Resp: 2424322

Ion Ratio Lower Upper

114 100

63 24.6 20.4 30.6

88 17.7 14.3 21.5



#34

2-Butanone

Concen: 7.638 ppbv

RT: 4.787 min Scan# 679

Delta R.T. 0.013 min

Lab File: VL040187.D

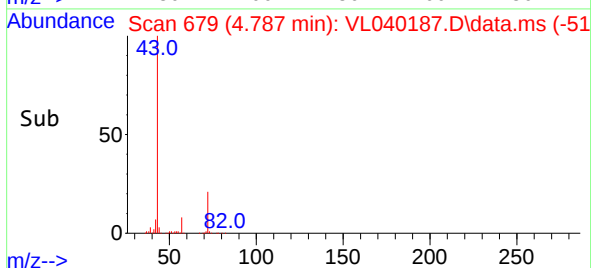
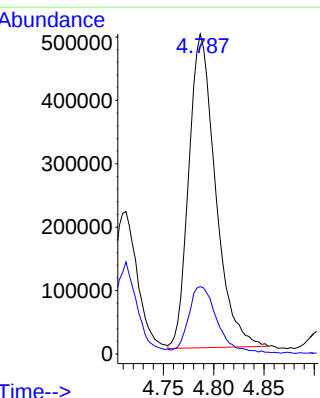
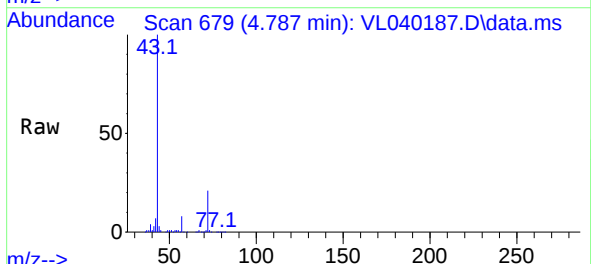
Acq: 16 Feb 2023 21:02

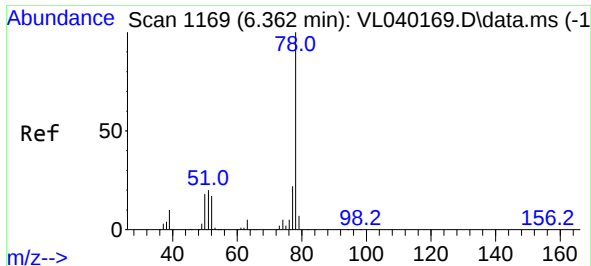
Tgt Ion: 43 Resp: 913462

Ion Ratio Lower Upper

43 100

72 23.1 17.8 26.8

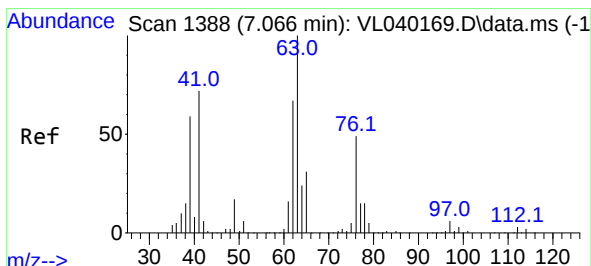
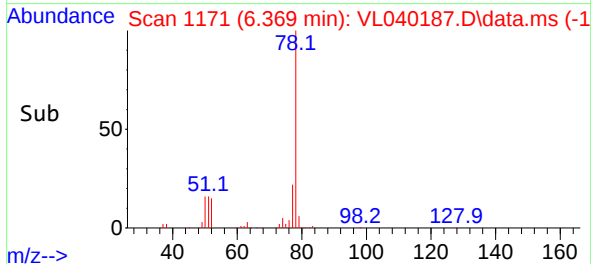
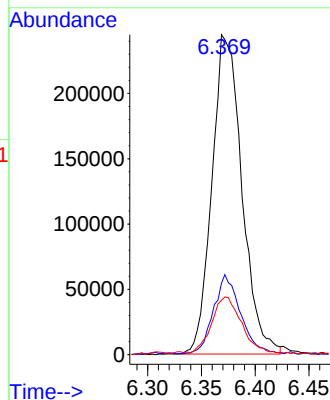
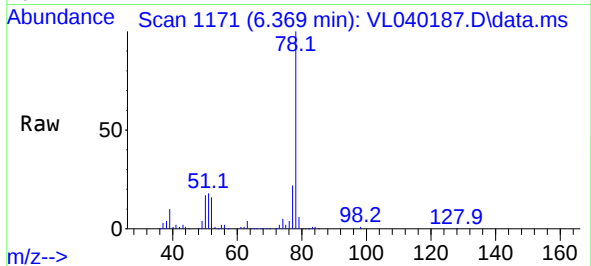




#36
Benzene
Concen: 2.512 ppbv
RT: 6.369 min Scan# 1169
Delta R.T. 0.006 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

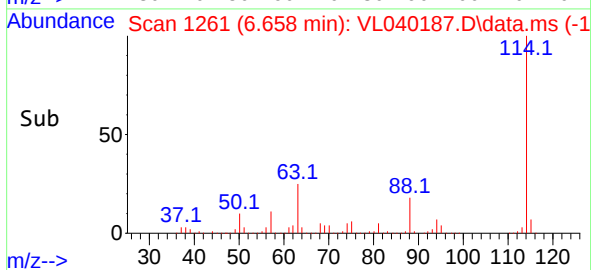
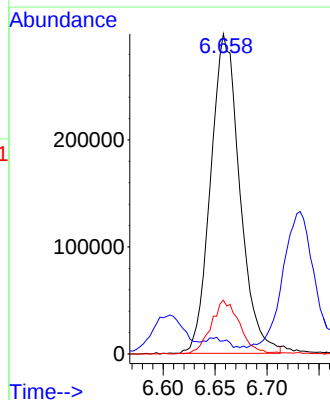
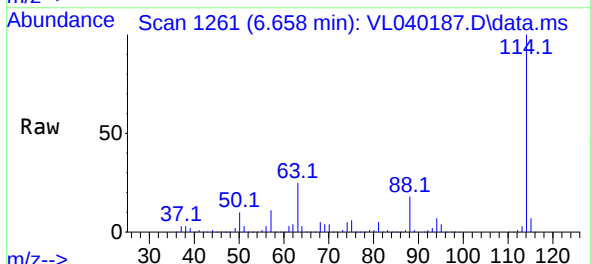
Instrument :
MSVOA_1
ClientSampleId :
SVP-05

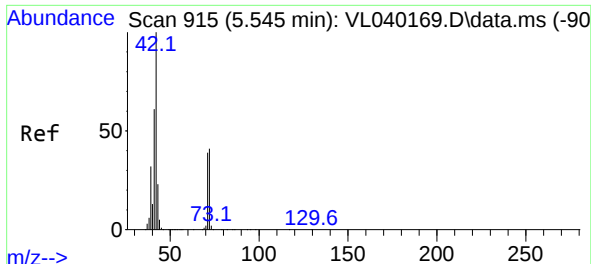
Tgt Ion: 78 Resp: 473890
Ion Ratio Lower Upper
78 100
77 22.0 17.5 26.3
50 16.3 14.6 22.0



#39
1,2-Dichloropropane
Concen: 7.934 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. -0.408 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

Tgt Ion: 63 Resp: 582265
Ion Ratio Lower Upper
63 100
41 0.0 57.6 86.4#
62 16.6 54.0 81.0#





#41

Tetrahydrofuran

Concen: 0.129 ppbv

RT: 5.568 min Scan# 915

Delta R.T. 0.022 min

Lab File: VL040187.D

Acq: 16 Feb 2023 21:02

Instrument :

MSVOA_L

ClientSampleId :

SVP-05

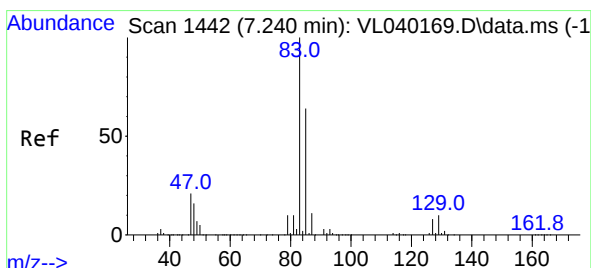
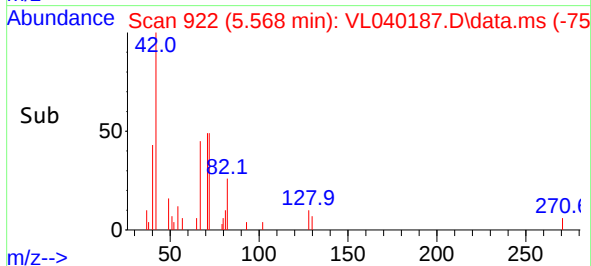
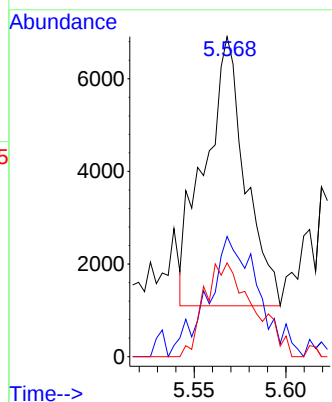
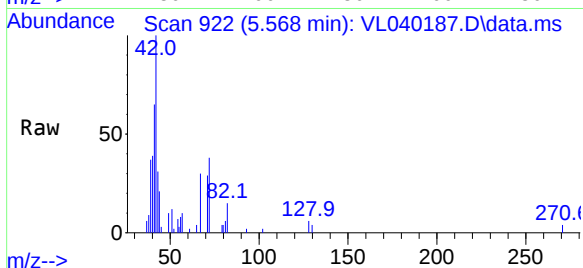
Tgt Ion: 42 Resp: 8957

Ion Ratio Lower Upper

42 100

72 58.4 33.0 49.4#

71 43.0 31.4 47.2



#42

Bromodichloromethane

Concen: 0.083 ppbv

RT: 7.253 min Scan# 1446

Delta R.T. 0.013 min

Lab File: VL040187.D

Acq: 16 Feb 2023 21:02

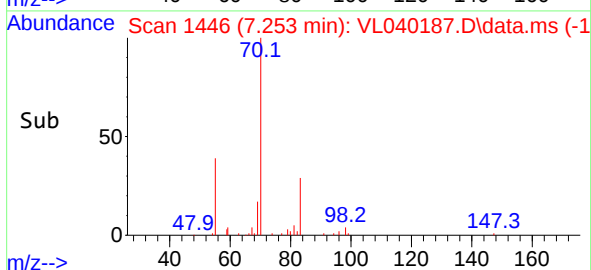
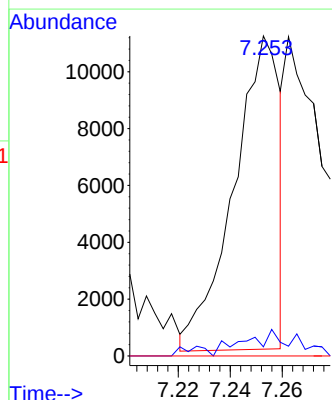
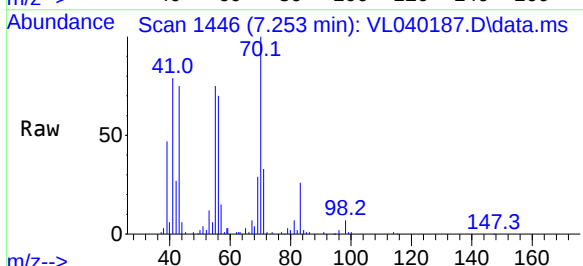
Tgt Ion: 83 Resp: 13569

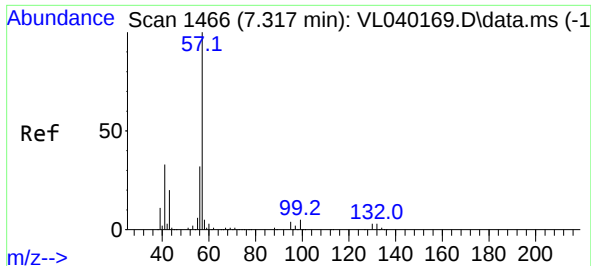
Ion Ratio Lower Upper

83 100

85 0.0 50.9 76.3#

127 0.0 6.2 9.2#





#44

2,2,4-Trimethylpentane

Concen: 24.389 ppbv

RT: 7.333 min Scan# 1466

Delta R.T. 0.016 min

Lab File: VL040187.D

Acq: 16 Feb 2023 21:02

Instrument :

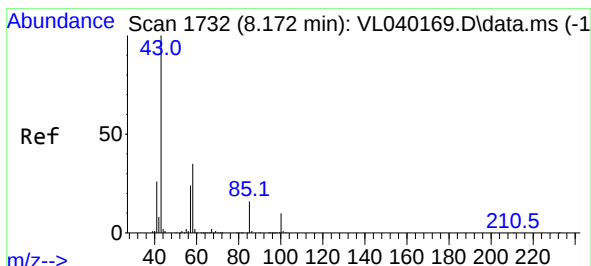
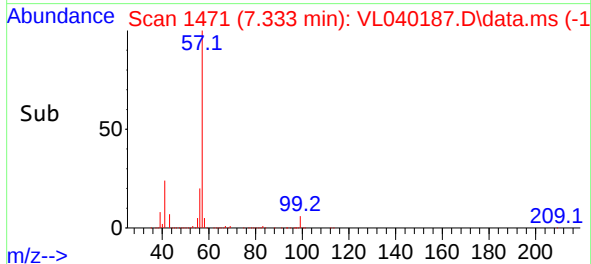
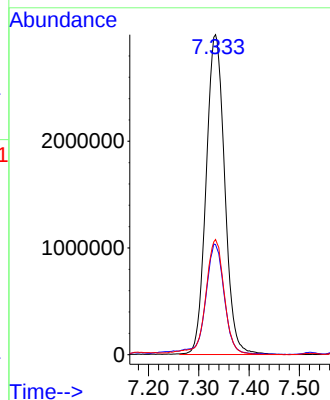
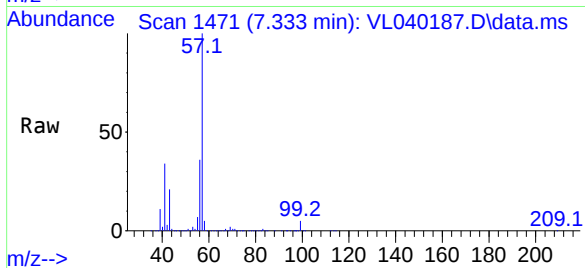
MSVOA_L

ClientSampleId :

SVP-05

Tgt Ion: 57 Resp: 7680888

Ion	Ratio	Lower	Upper
57	100		
41	35.6	26.2	39.4
56	36.5	24.9	37.3



#50

4-Methyl-2-Pentanone

Concen: 0.403 ppbv

RT: 8.198 min Scan# 1740

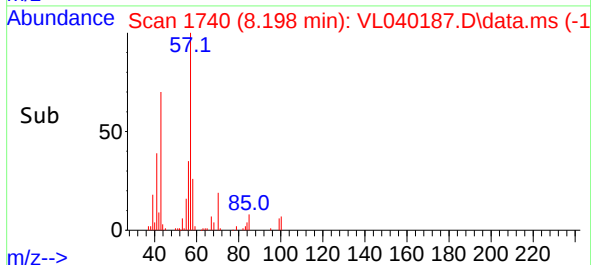
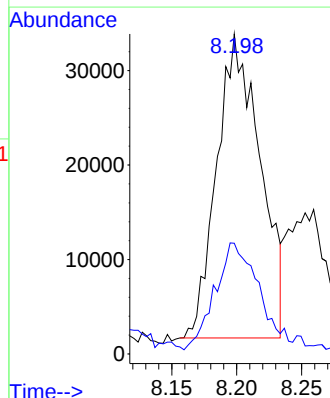
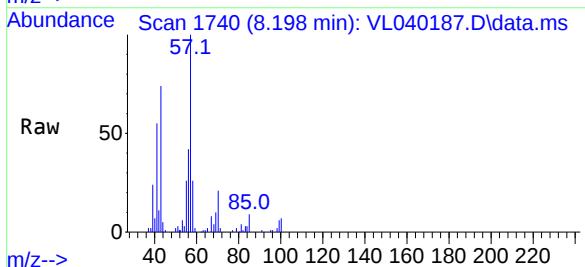
Delta R.T. 0.026 min

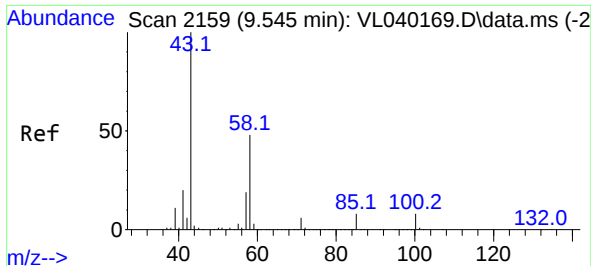
Lab File: VL040187.D

Acq: 16 Feb 2023 21:02

Tgt Ion: 43 Resp: 74905

Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.2	43.8

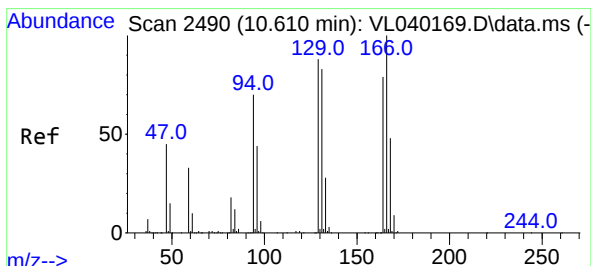
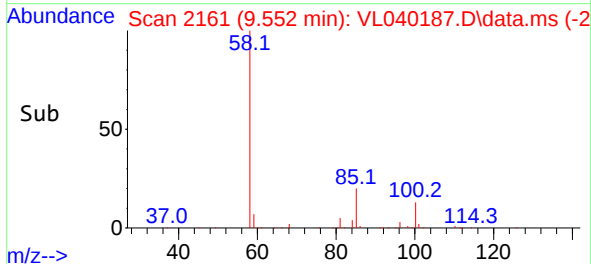
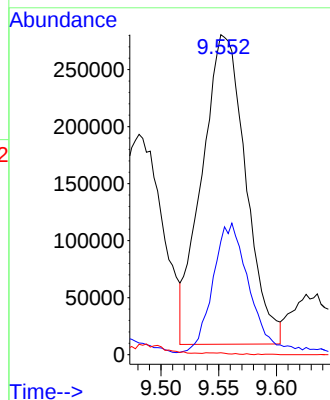
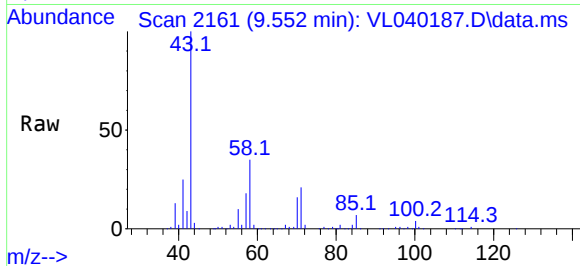




#51
2-Hexanone
Concen: 5.014 ppbv
RT: 9.552 min Scan# 2159
Delta R.T. 0.006 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

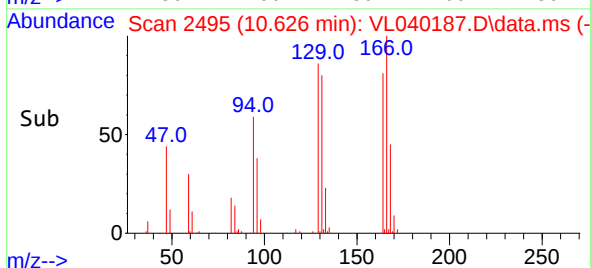
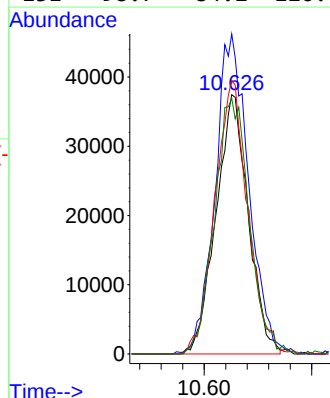
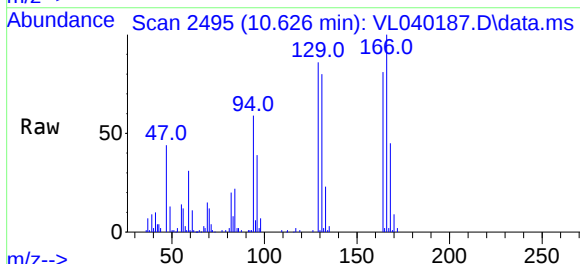
Instrument :
MSVOA_L
ClientSampleId :
SVP-05

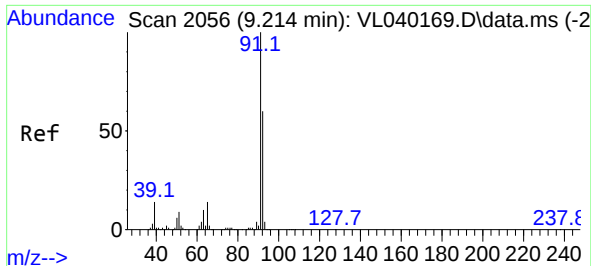
Tgt Ion: 43 Resp: 716038
Ion Ratio Lower Upper
43 100
58 37.1 39.1 58.7#
98 0.4 0.2 0.4#



#52
Tetrachloroethene
Concen: 1.324 ppbv
RT: 10.626 min Scan# 2495
Delta R.T. 0.016 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

Tgt Ion:164 Resp: 78000
Ion Ratio Lower Upper
164 100
166 122.9 101.5 152.3
129 105.6 89.0 133.4
131 98.7 84.2 126.4

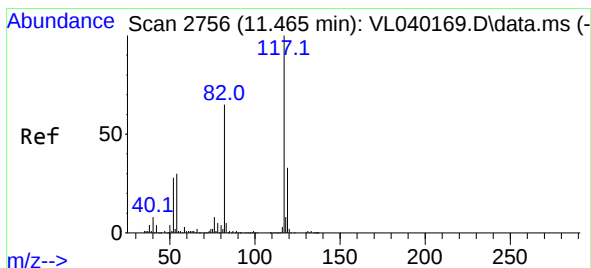
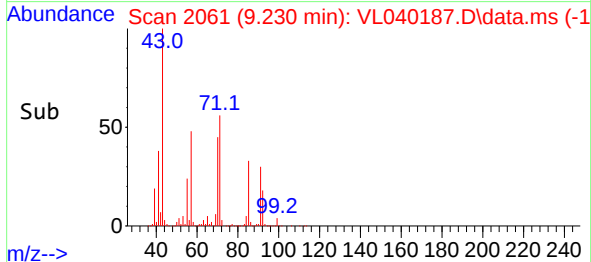
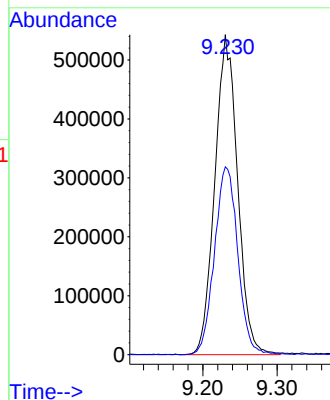
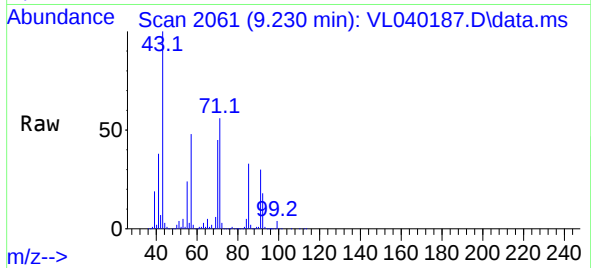




#53
Toluene
Concen: 5.725 ppbv
RT: 9.230 min Scan# 2056
Delta R.T. 0.016 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

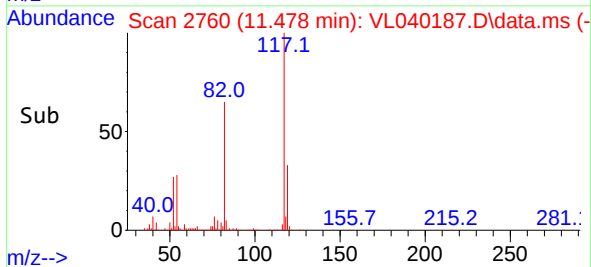
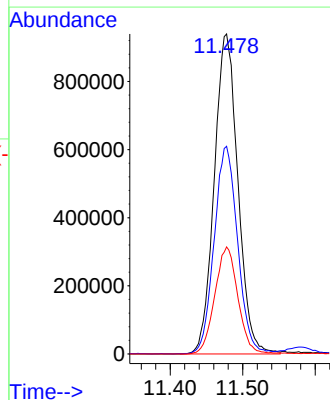
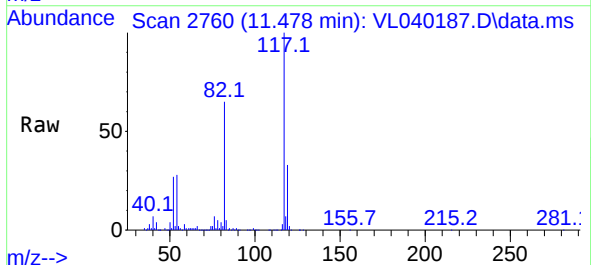
Instrument :
MSVOA_L
ClientSampleId :
SVP-05

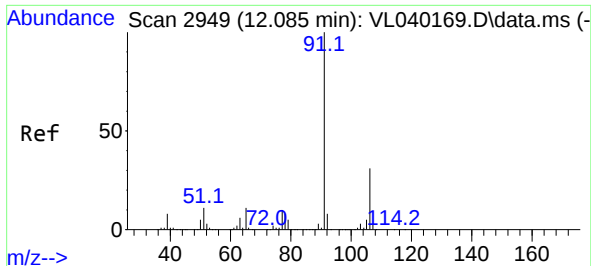
Tgt Ion: 91 Resp: 1156774
Ion Ratio Lower Upper
91 100
92 60.2 48.9 73.3



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 2760
Delta R.T. 0.013 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

Tgt Ion: 117 Resp: 2129210
Ion Ratio Lower Upper
117 100
82 64.3 53.3 79.9
119 33.0 24.6 37.0

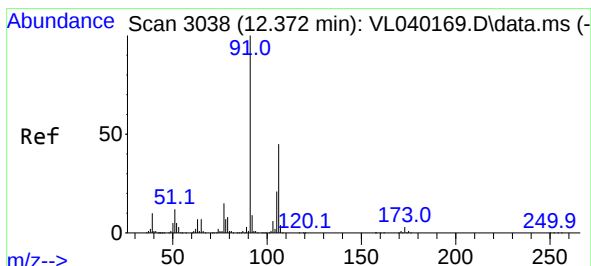
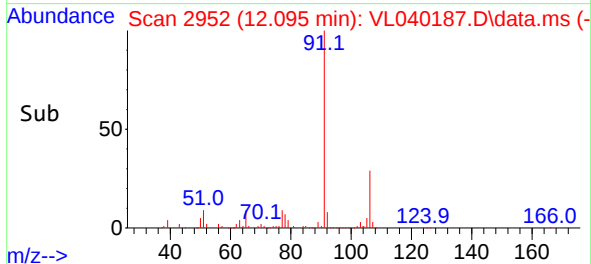
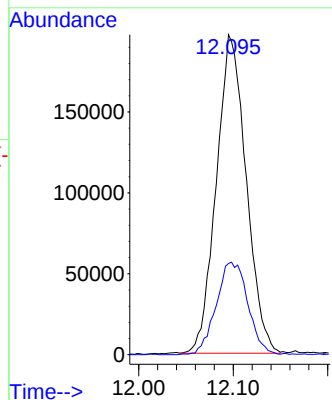
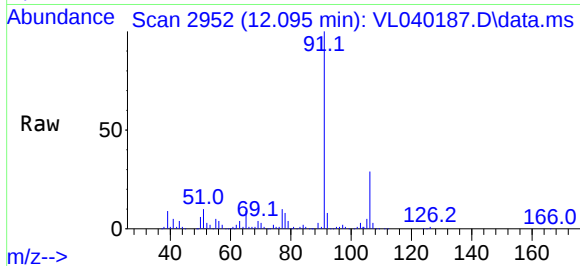




#58
Ethyl Benzene
Concen: 1.665 ppbv
RT: 12.095 min Scan# 2949
Delta R.T. 0.010 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

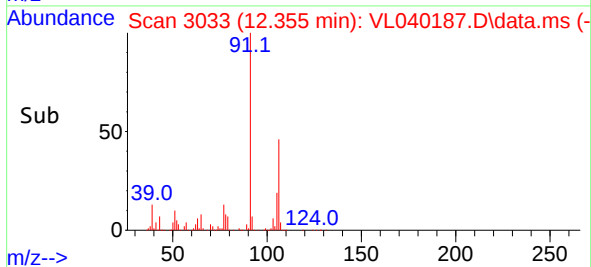
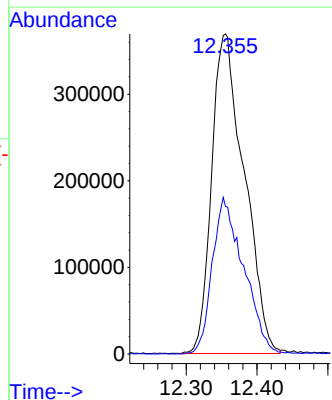
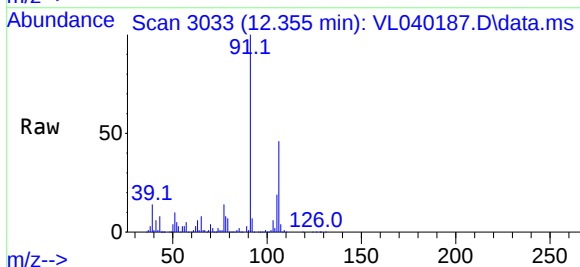
Instrument :
MSVOA_L
ClientSampleId :
SVP-05

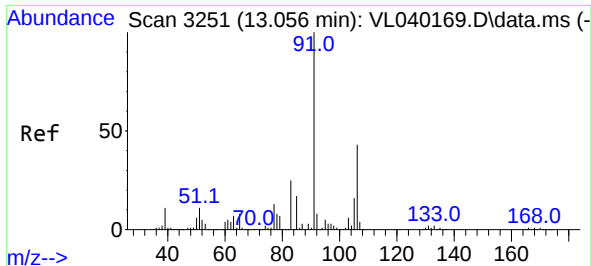
Tgt Ion: 91 Resp: 430751
Ion Ratio Lower Upper
91 100
106 28.5 24.9 37.3



#59
m/p-Xylene
Concen: 5.142 ppbv
RT: 12.355 min Scan# 3033
Delta R.T. -0.016 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

Tgt Ion: 91 Resp: 1178170
Ion Ratio Lower Upper
91 100
106 47.3 34.6 51.8

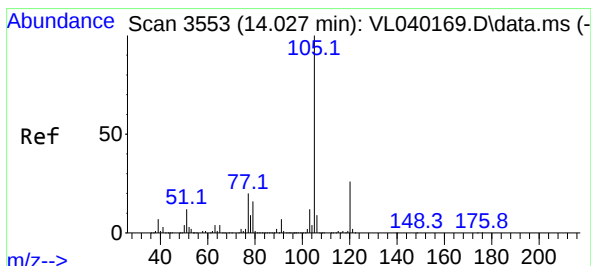
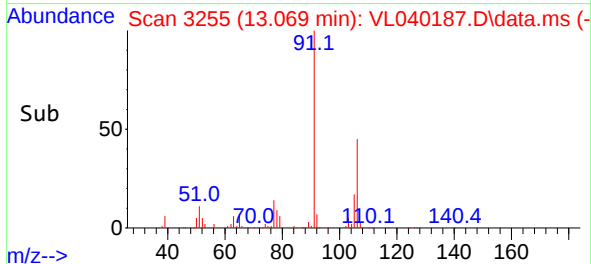
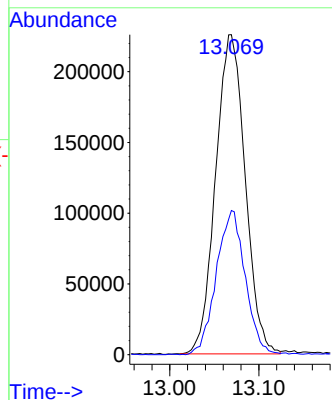
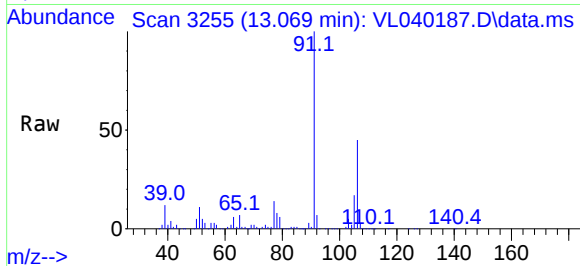




#60
o-Xylene
Concen: 2.359 ppbv
RT: 13.069 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

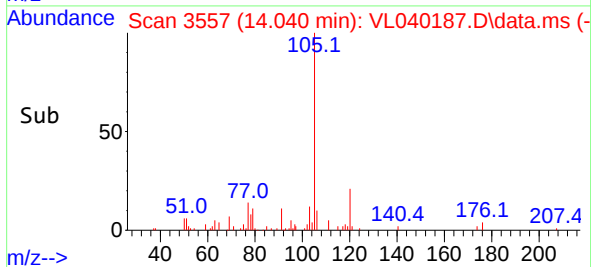
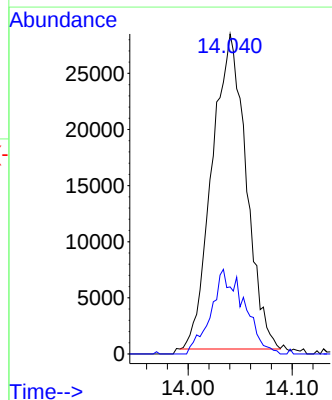
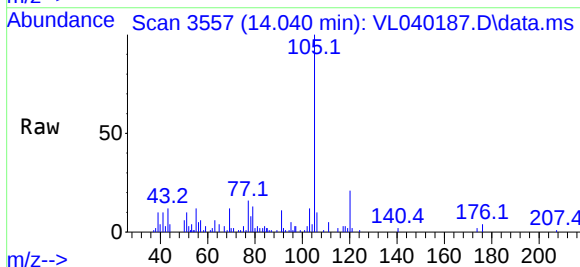
Instrument :
MSVOA_L
ClientSampleId :
SVP-05

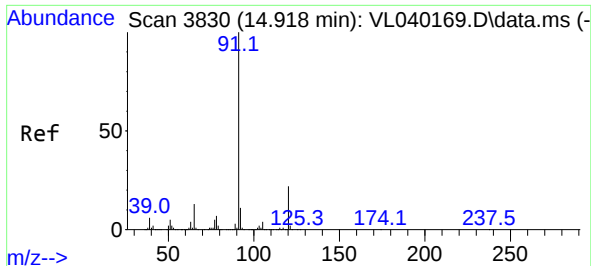
Tgt Ion: 91 Resp: 520150
Ion Ratio Lower Upper
91 100
106 44.5 21.6 65.0



#62
Isopropylbenzene
Concen: 0.202 ppbv
RT: 14.040 min Scan# 3557
Delta R.T. 0.013 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

Tgt Ion: 105 Resp: 64043
Ion Ratio Lower Upper
105 100
120 26.2 20.3 30.5

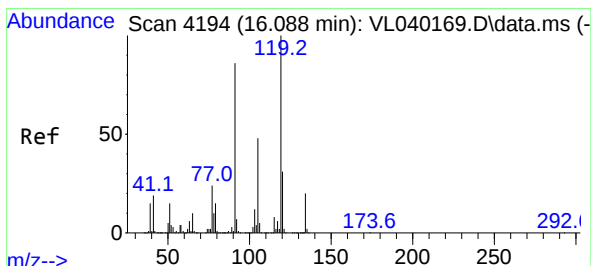
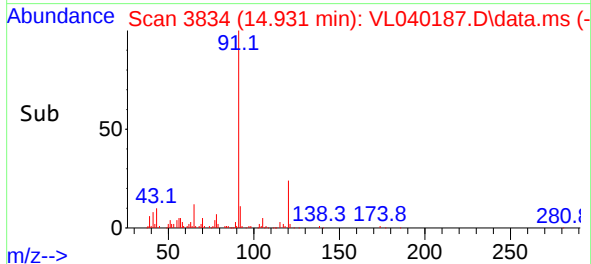
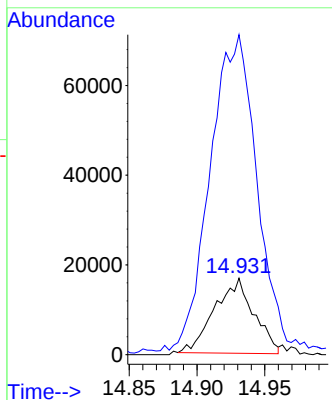
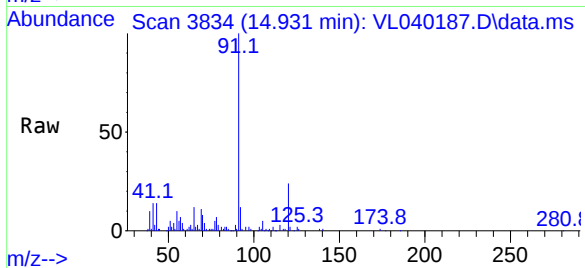




#64
n-propylbenzene
Concen: 0.430 ppbv
RT: 14.931 min Scan# 3834
Delta R.T. 0.013 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

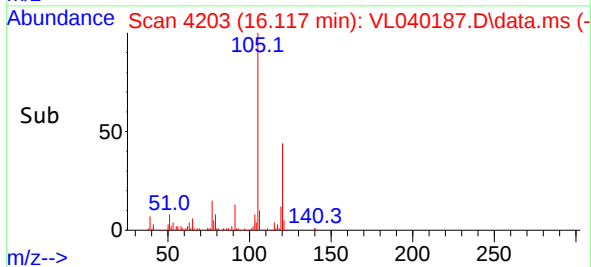
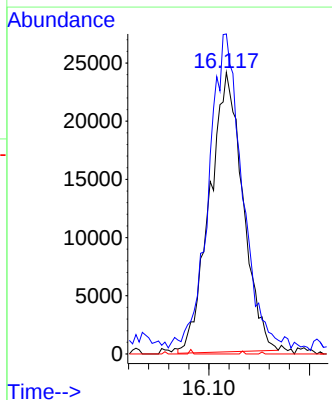
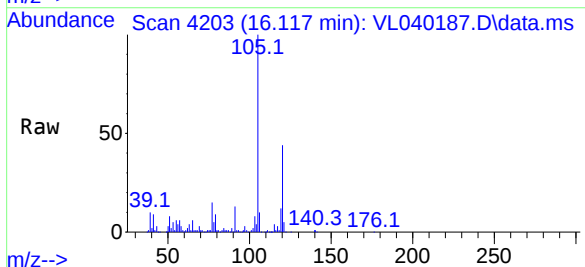
Instrument :
MSVOA_L
ClientSampleId :
SVP-05

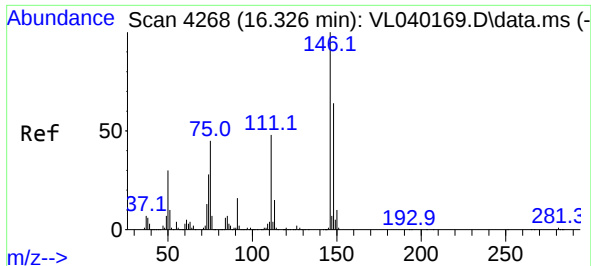
Tgt Ion:120 Resp: 33712
Ion Ratio Lower Upper
120 100
91 529.0 389.8 584.8



#65
tert-Butylbenzene
Concen: 0.201 ppbv
RT: 16.117 min Scan# 4203
Delta R.T. 0.029 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

Tgt Ion:119 Resp: 55215
Ion Ratio Lower Upper
119 100
91 120.4 68.6 102.8#
134 0.0 15.9 23.9#

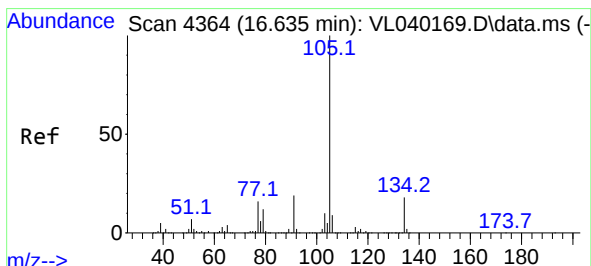
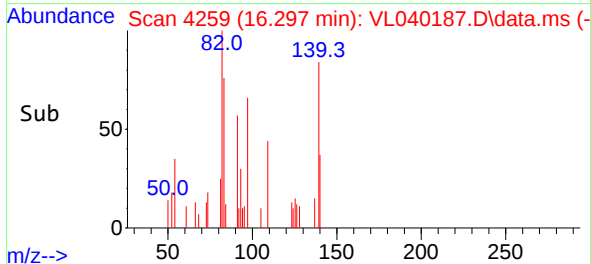
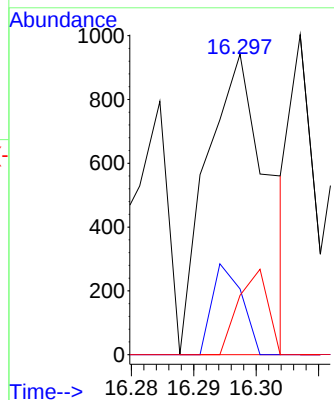
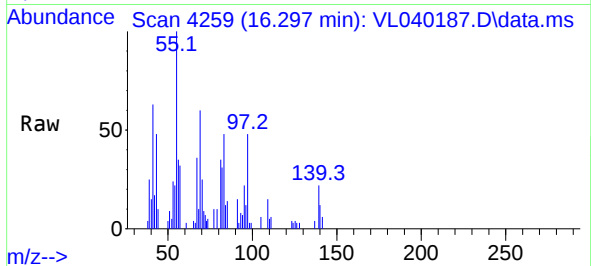




#66
Benzyl Chloride
Concen: 0.035 ppbv
RT: 16.297 min Scan# 41
Delta R.T. -0.029 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

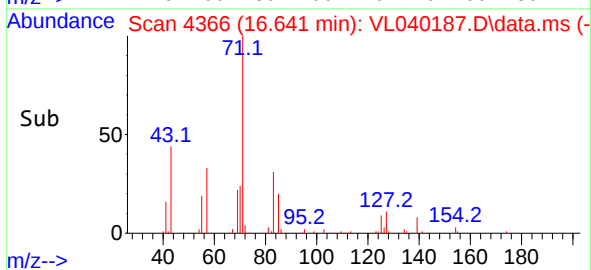
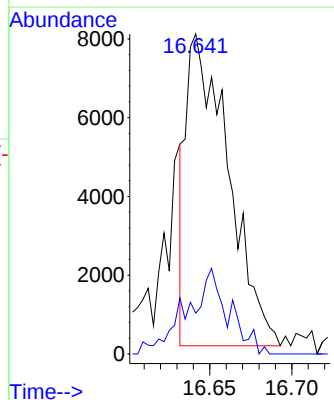
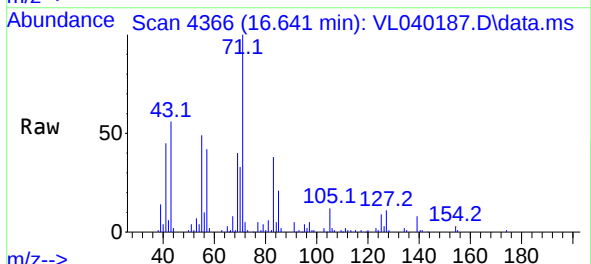
Instrument :
MSVOA_1
ClientSampleId :
SVP-05

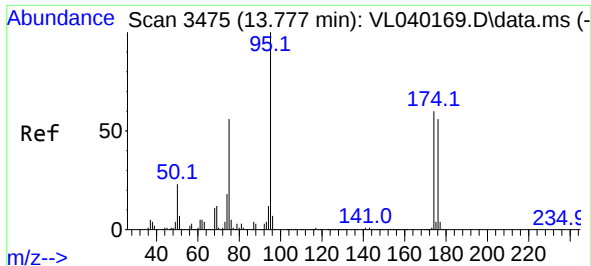
Tgt Ion: 91 Resp: 649
Ion Ratio Lower Upper
91 100
126 202.0 13.1 19.7#
128 13.6 4.1 6.1#



#67
sec-Butylbenzene
Concen: 0.036 ppbv
RT: 16.641 min Scan# 4366
Delta R.T. 0.006 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

Tgt Ion: 105 Resp: 14101
Ion Ratio Lower Upper
105 100
134 27.3 14.1 21.1#

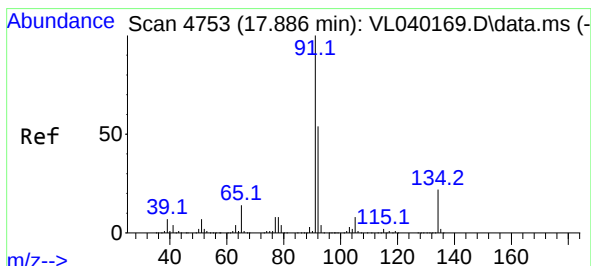
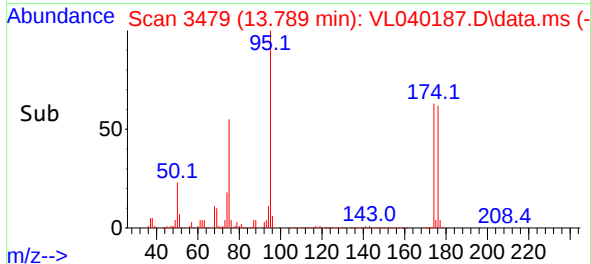
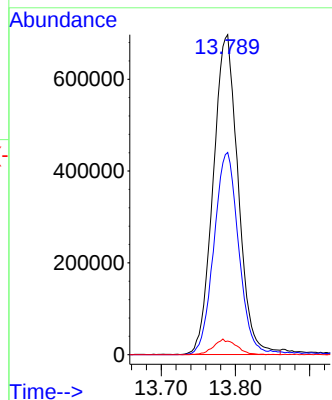
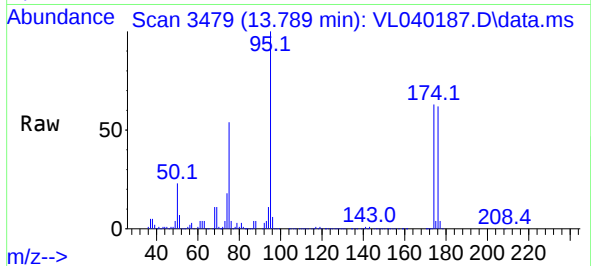




#68
1-Bromo-4-Fluorobenzene
Concen: 9.283 ppbv
RT: 13.789 min Scan# 3479
Delta R.T. 0.013 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

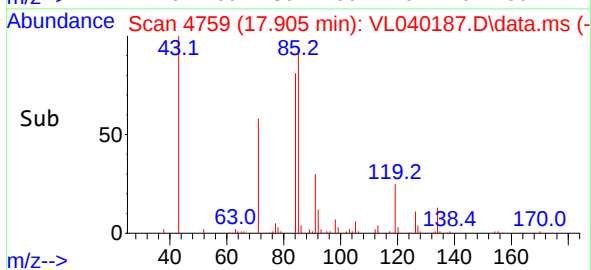
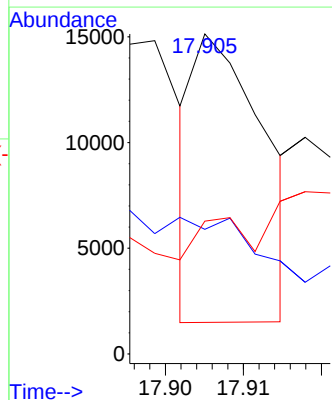
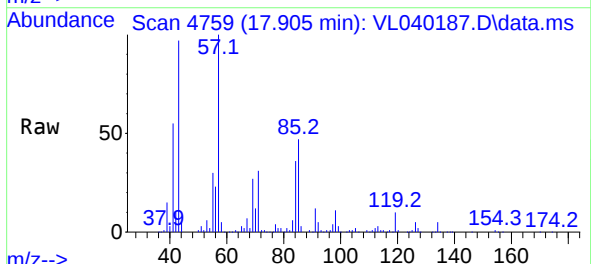
Instrument :
MSVOA_L
ClientSampleId :
SVP-05

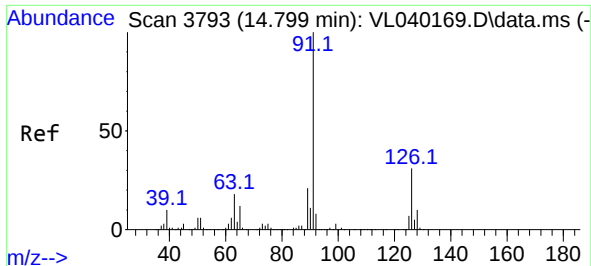
Tgt Ion: 95 Resp: 1625332
Ion Ratio Lower Upper
95 100
174 63.8 48.2 72.2
175 4.5 3.4 5.2



#70
n-Butylbenzene
Concen: 0.025 ppbv
RT: 17.905 min Scan# 4759
Delta R.T. 0.019 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

Tgt Ion: 91 Resp: 8401
Ion Ratio Lower Upper
91 100
92 0.0 43.0 64.6#
134 0.0 16.9 25.3#

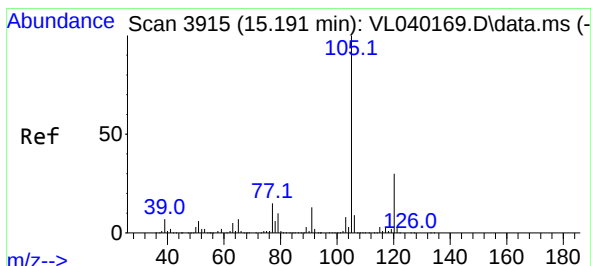
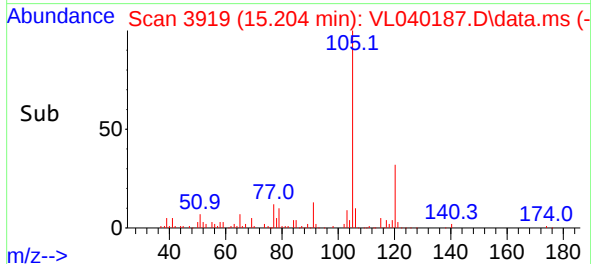
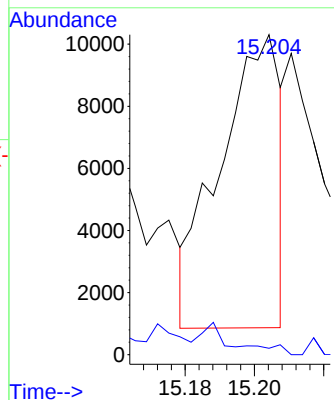
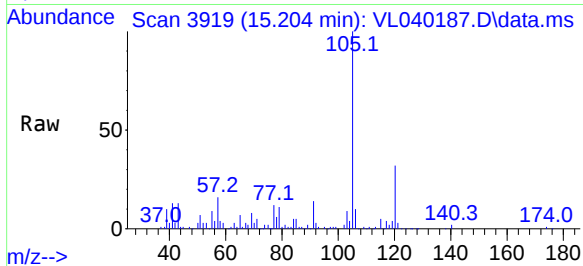




#71
2-Chlorotoluene
Concen: 0.047 ppbv
RT: 15.204 min Scan# 3919
Delta R.T. 0.405 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

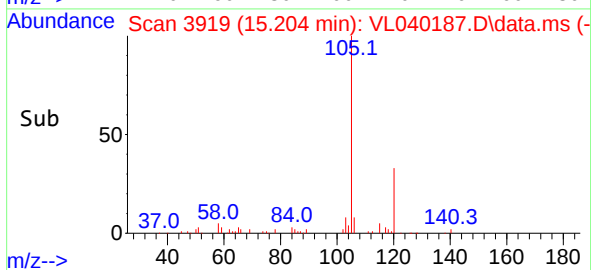
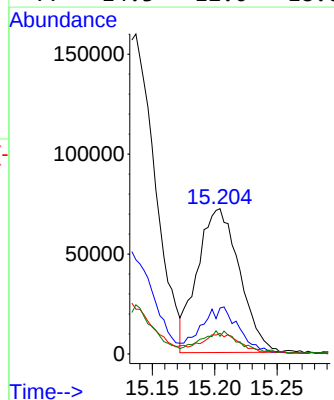
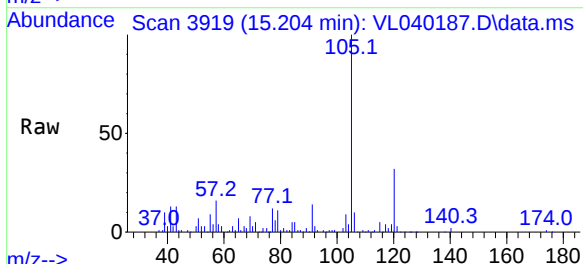
Instrument :
MSVOA_L
ClientSampleId :
SVP-05

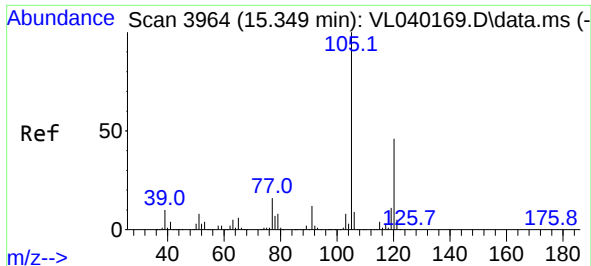
Tgt Ion: 91 Resp: 11396
Ion Ratio Lower Upper
91 100
126 20.2 12.0 48.2



#72
4-Ethyltoluene
Concen: 0.694 ppbv
RT: 15.204 min Scan# 3919
Delta R.T. 0.013 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

Tgt Ion:105 Resp: 169181
Ion Ratio Lower Upper
105 100
120 29.3 23.2 34.8
91 11.9 11.3 16.9
77 14.3 12.0 18.0

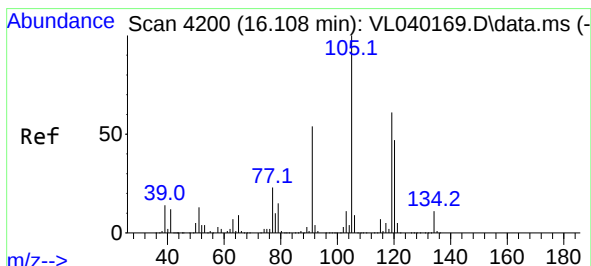
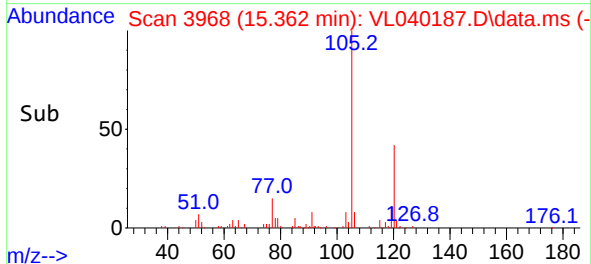
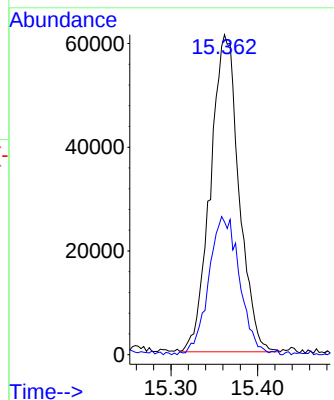
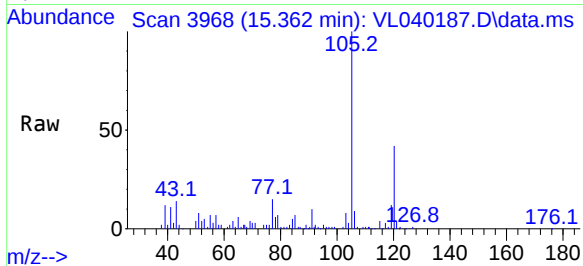




#73
1,3,5-Trimethylbenzene
Concen: 0.621 ppbv
RT: 15.362 min Scan# 3968
Delta R.T. 0.013 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

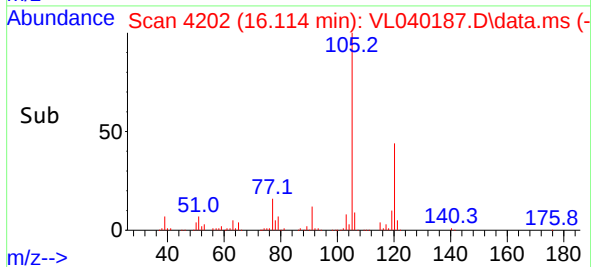
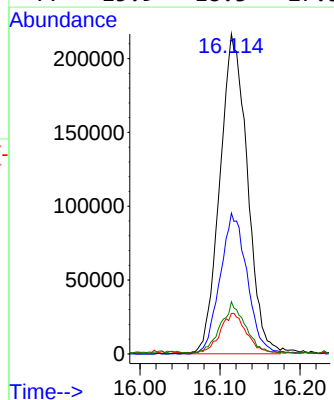
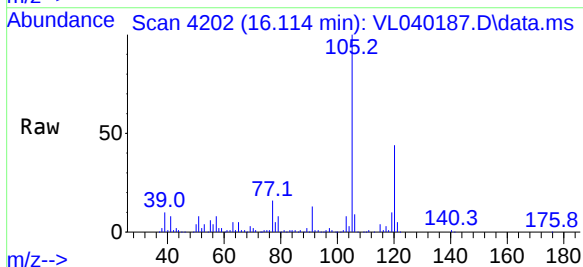
Instrument :
MSVOA_L
ClientSampleId :
SVP-05

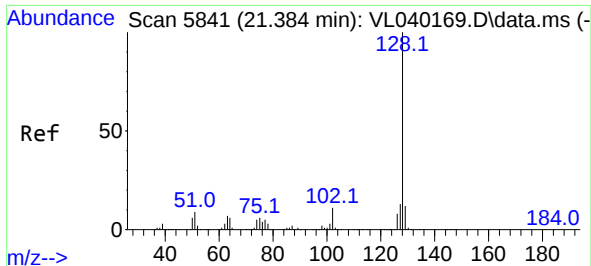
Tgt Ion:105 Resp: 140740
Ion Ratio Lower Upper
105 100
120 41.9 36.8 55.2



#74
1,2,4-Trimethylbenzene
Concen: 2.067 ppbv
RT: 16.114 min Scan# 4202
Delta R.T. 0.006 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

Tgt Ion:105 Resp: 514924
Ion Ratio Lower Upper
105 100
120 44.0 37.9 56.9
91 12.2 43.7 65.5#
77 15.9 18.3 27.5#

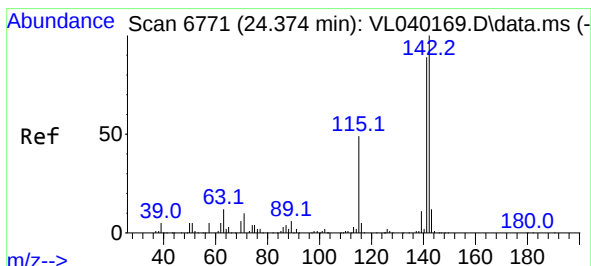
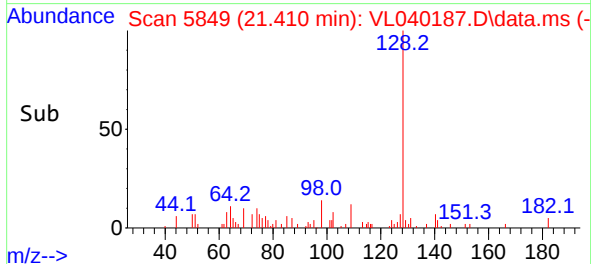
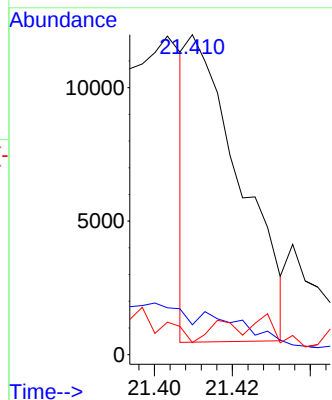
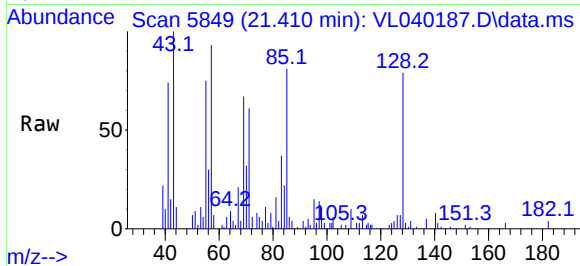




#79
Naphthalene
Concen: 0.077 ppbv
RT: 21.410 min Scan# 5849
Delta R.T. 0.026 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

Instrument :
MSVOA_L
ClientSampleId :
SVP-05

Tgt Ion:128 Resp: 10759
Ion Ratio Lower Upper
128 100
127 6.4 10.2 15.4#
129 0.1 9.4 14.0#



#80
Naphthalene,2-methyl-
Concen: 0.134 ppbv
RT: 24.394 min Scan# 6777
Delta R.T. 0.019 min
Lab File: VL040187.D
Acq: 16 Feb 2023 21:02

Tgt Ion:142 Resp: 5340
Ion Ratio Lower Upper
142 100
141 88.2 67.3 100.9
115 33.6 36.5 54.7#

