

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110823\
 Data File : VL040821.D
 Acq On : 8 Nov 2023 21:54
 Operator : SY/MD
 Sample : 05276-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SH-IA-3

Quant Time: Nov 09 00:34:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Nov 09 00:25:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	1061153	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2652200	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.461	117	2217592	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1649024	10.106	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.771	85	100813	0.539	ppbv	100
3) Chlorodifluoromethane	2.716	51	105590	0.677	ppbv #	88
4) Chloromethane	2.854	50	30597	0.497	ppbv	90
9) Propene	2.912	41	803129	13.865	ppbv	99
10) Heptane	7.584	43	54426	0.374	ppbv	95
11) Trichlorofluoromethane	3.590	101	36180	0.251	ppbv	94
12) 1,1,2-Trichlorotrifluo...	4.089	101	7143	0.069	ppbv	87
13) Ethanol	3.285	45	6511240	497.969	ppbv	99
15) Acetone	3.494	43	8505815	77.535	ppbv	95
16) 1,3-Butadiene	3.002	39	398916	6.932	ppbv #	15
17) tert-Butyl alcohol	3.922	59	916590	8.148	ppbv	99
19) Isopropyl Alcohol	3.619	45	2902834	41.106	ppbv #	44
20) Methylene Chloride	3.960	84	473304	10.358	ppbv	95
21) Allyl Chloride	3.925	41	388202	5.366	ppbv #	63
23) Vinyl Acetate	4.639	43	78291	0.560	ppbv #	48
25) Ethyl Acetate	5.230	43	1103616	4.592	ppbv #	77
26) Hexane	5.227	57	1536455	13.986	ppbv #	42
29) Chloroform	5.291	83	21426	0.135	ppbv	88
30) Cyclohexane	6.610	84	8290	0.089	ppbv #	40
34) 2-Butanone	4.806	43	236019	1.966	ppbv	97
36) Benzene	6.381	78	99444	0.487	ppbv #	95
37) 1,2-Dichloroethane	5.819	62	14341	0.137	ppbv #	96
39) 1,2-Dichloropropane	6.661	63	660543	8.288	ppbv #	27
41) Tetrahydrofuran	5.819	42	7272	0.087	ppbv #	39
43) Methyl Methacrylate	7.487	69	31568	0.387	ppbv #	1
44) 2,2,4-Trimethylpentane	7.339	57	127099	0.368	ppbv #	69
50) 4-Methyl-2-Pentanone	8.188	43	157558	0.767	ppbv	97
51) 2-Hexanone	9.555	43	39842	0.255	ppbv #	81
53) Toluene	9.224	91	429652	1.770	ppbv	97
58) Ethyl Benzene	12.085	91	258027	0.924	ppbv	89
59) m/p-Xylene	12.336	91	687694	2.993	ppbv	95
60) o-Xylene	13.047	91	306730	1.401	ppbv	94
61) Styrene	12.889	104	94708	0.781	ppbv	94
62) Isopropylbenzene	14.021	105	323557	0.961	ppbv	95
64) n-propylbenzene	14.912	120	39643	0.438	ppbv #	1
65) tert-Butylbenzene	16.092	119	68796	0.226	ppbv #	1
67) sec-Butylbenzene	16.632	105	40928	0.098	ppbv #	57
69) p-Isopropyltoluene	16.992	119	35255	0.101	ppbv #	38
70) n-Butylbenzene	17.876	91	45233	0.132	ppbv #	32
71) 2-Chlorotoluene	14.651	91	32908	0.130	ppbv	67
72) 4-Ethyltoluene	15.185	105	238094	0.929	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.339	105	323639	1.434	ppbv	95
74) 1,2,4-Trimethylbenzene	16.095	105	1087524	4.409	ppbv #	72

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Instrument :
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ClientSampleId :
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Quant Time: Nov 09 00:34:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Nov 09 00:25:02 2023
Response via : Initial Calibration

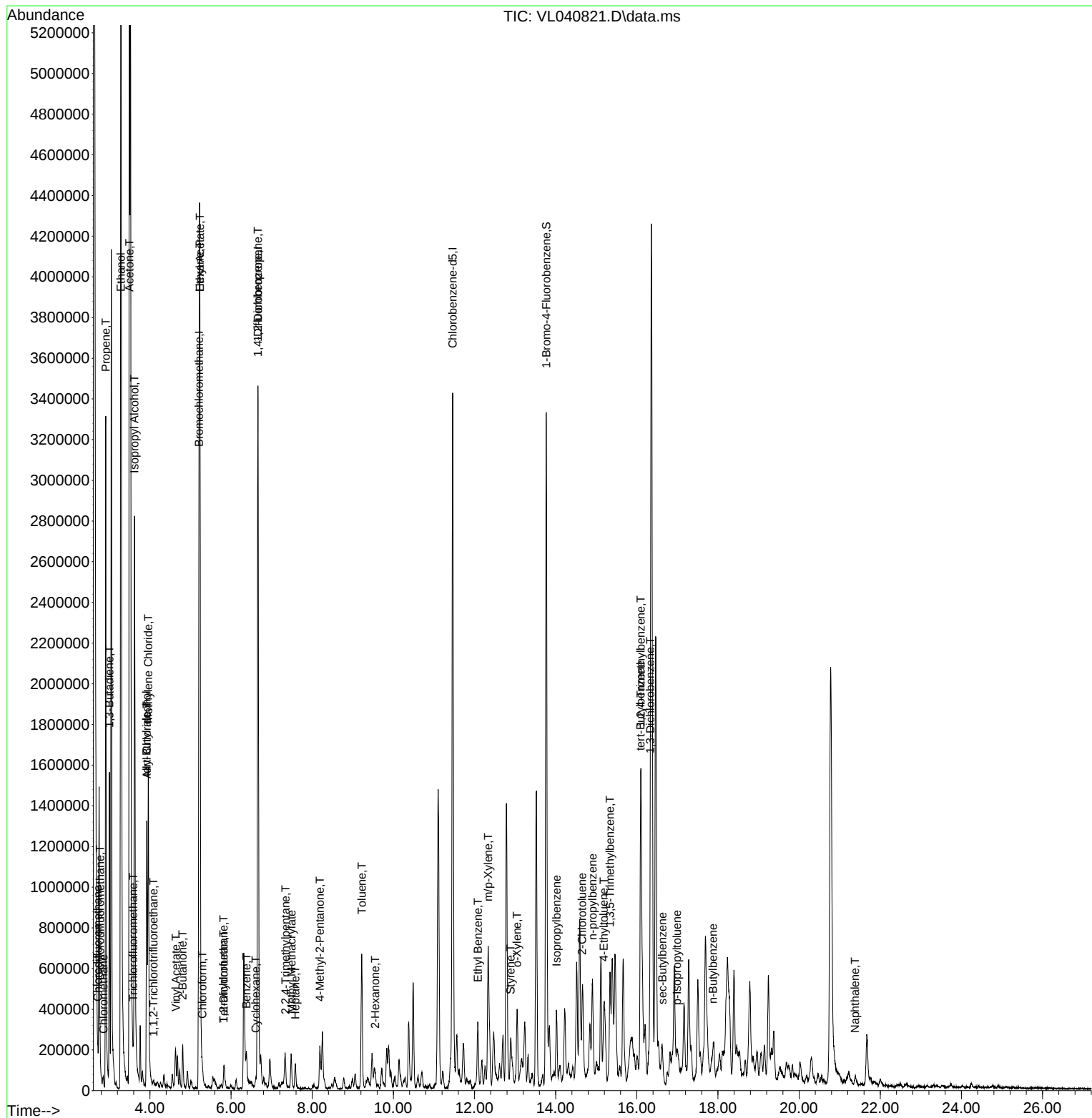
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 1,3-Dichlorobenzene	16.329	146	5304	0.035	ppbv #	1
79) Naphthalene	21.378	128	6022	0.030	ppbv #	82

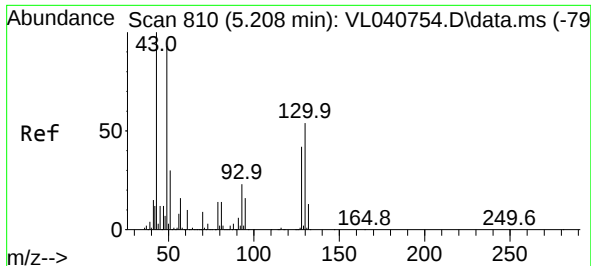
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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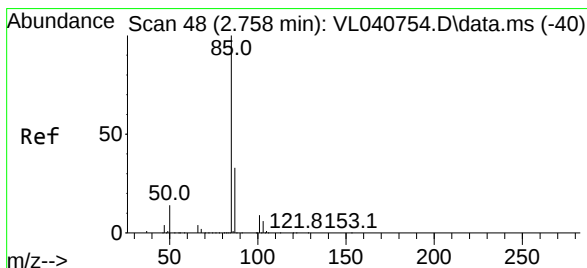
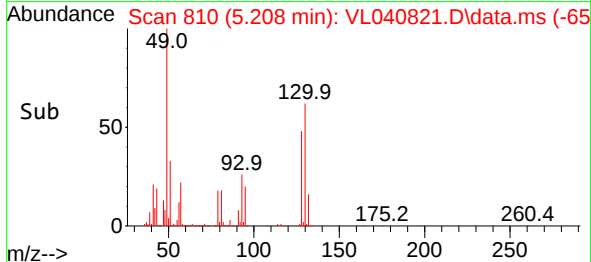
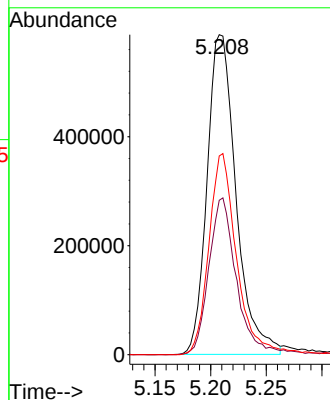
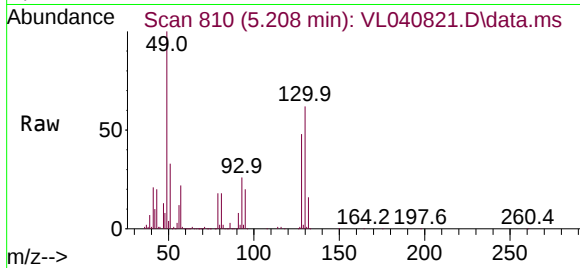




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.208 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL040821.D
 Acq: 8 Nov 2023 21:54

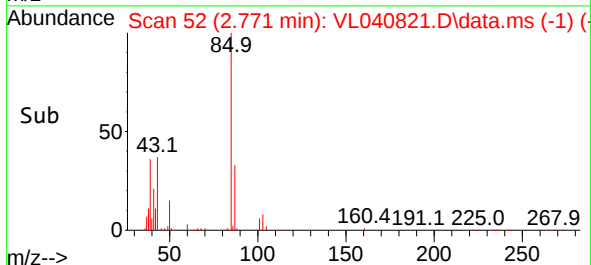
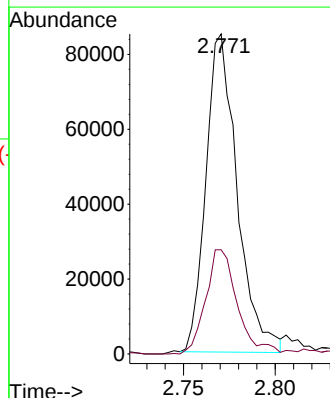
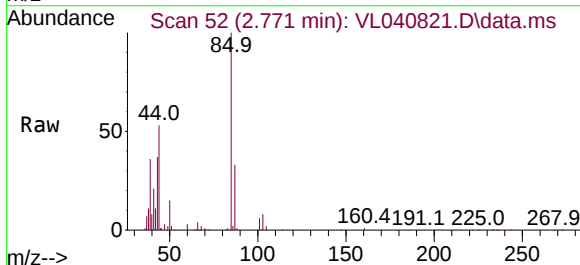
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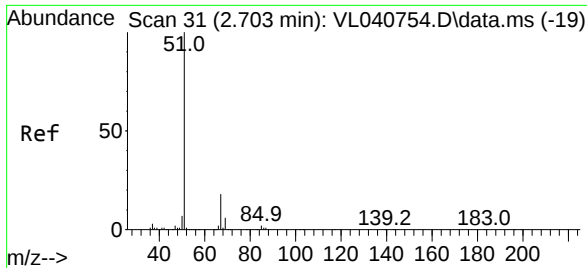
Tgt Ion: 49 Resp: 1061153
 Ion Ratio Lower Upper
 49 100
 128 48.0 23.9 71.7
 130 61.3 30.7 92.1



#2
 Dichlorodifluoromethane
 Concen: 0.539 ppbv
 RT: 2.771 min Scan# 52
 Delta R.T. 0.000 min
 Lab File: VL040821.D
 Acq: 8 Nov 2023 21:54

Tgt Ion: 85 Resp: 100813
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.0 39.0

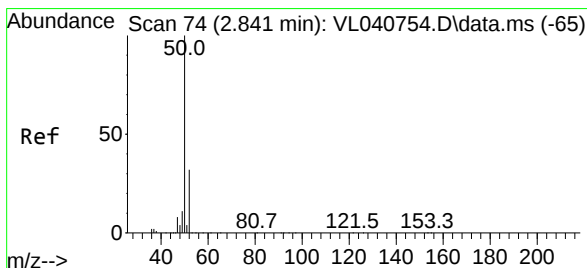
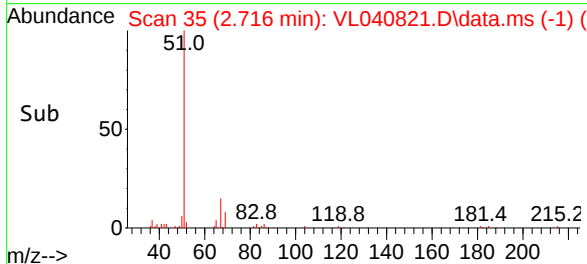
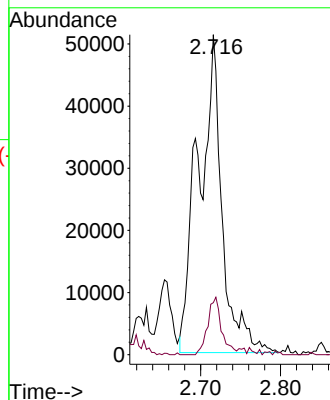
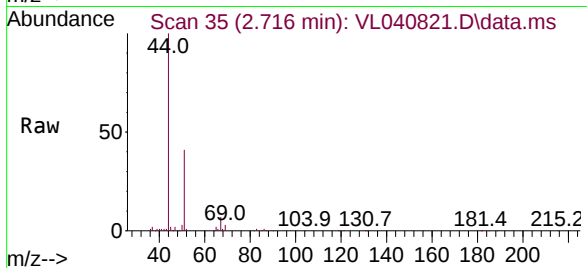




#3
Chlorodifluoromethane
Concen: 0.677 ppbv
RT: 2.716 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

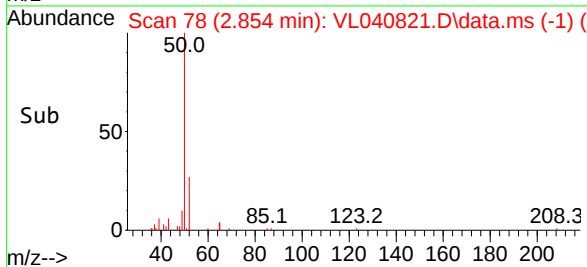
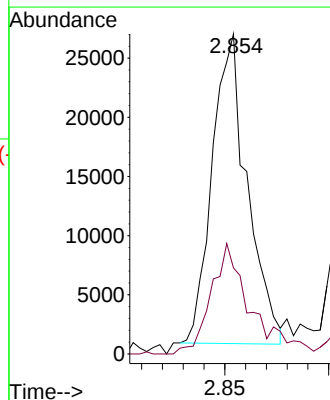
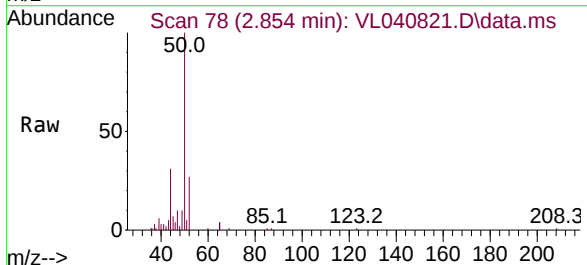
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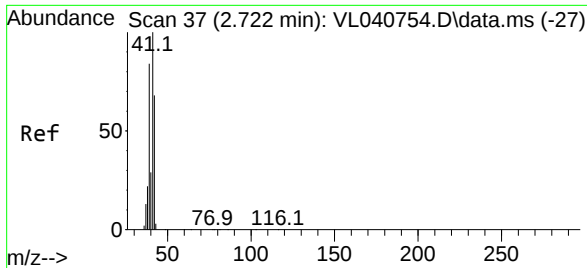
Tgt Ion: 51 Resp: 105590
Ion Ratio Lower Upper
51 100
67 12.2 13.8 20.6#



#4
Chloromethane
Concen: 0.497 ppbv
RT: 2.854 min Scan# 78
Delta R.T. 0.000 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

Tgt Ion: 50 Resp: 30597
Ion Ratio Lower Upper
50 100
52 26.0 25.3 37.9

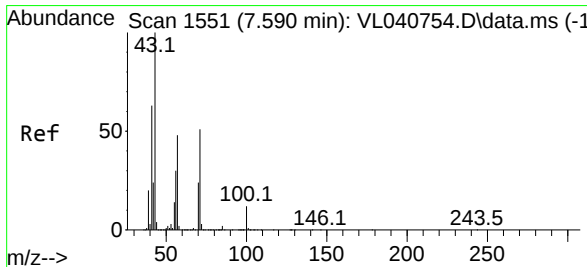
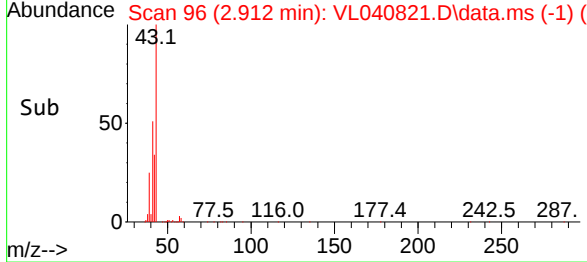
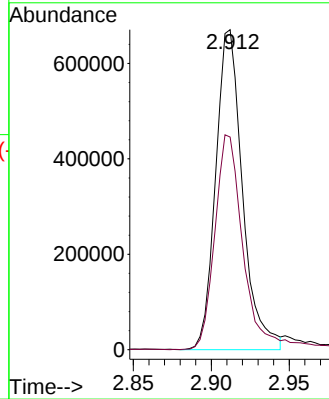
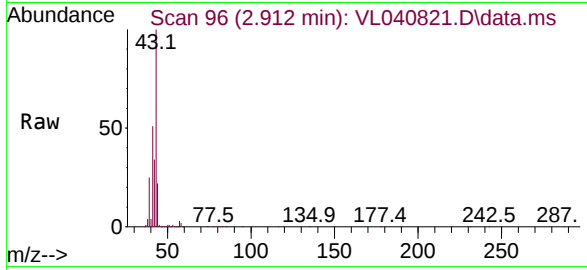




#9
Propene
Concen: 13.865 ppbv
RT: 2.912 min Scan# 90
Delta R.T. 0.177 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

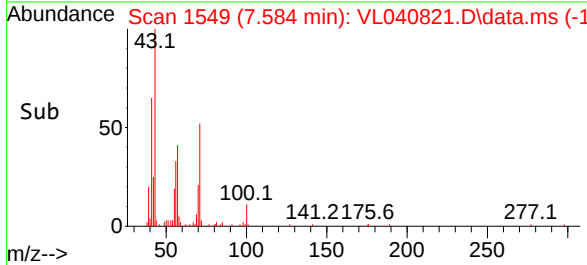
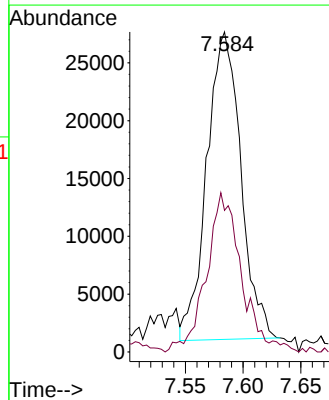
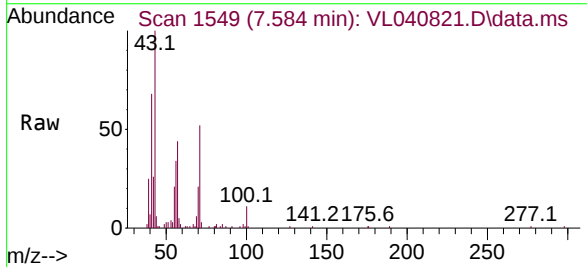
Instrument :
MSVOA_1
ClientSampleId :
SH-IA-3

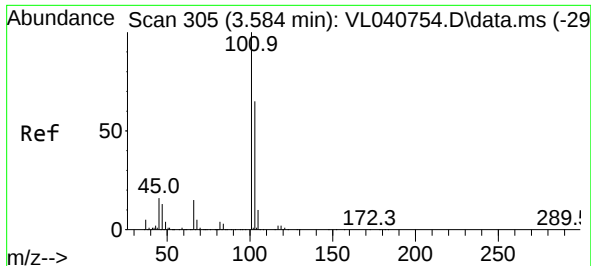
Tgt Ion: 41 Resp: 803129
Ion Ratio Lower Upper
41 100
42 72.4 57.1 85.7



#10
Heptane
Concen: 0.374 ppbv
RT: 7.584 min Scan# 1549
Delta R.T. -0.003 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

Tgt Ion: 43 Resp: 54426
Ion Ratio Lower Upper
43 100
57 53.6 40.0 60.0

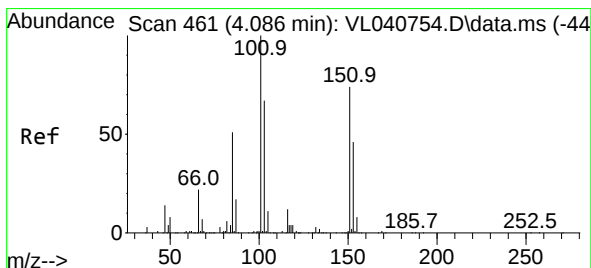
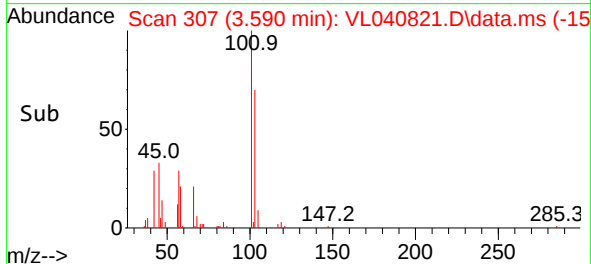
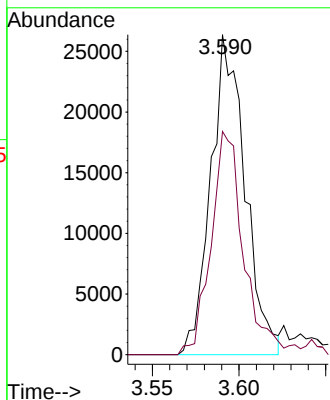
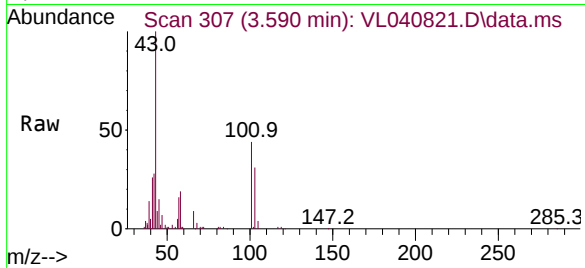




#11
Trichlorofluoromethane
Concen: 0.251 ppbv
RT: 3.590 min Scan# 305
Delta R.T. -0.003 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

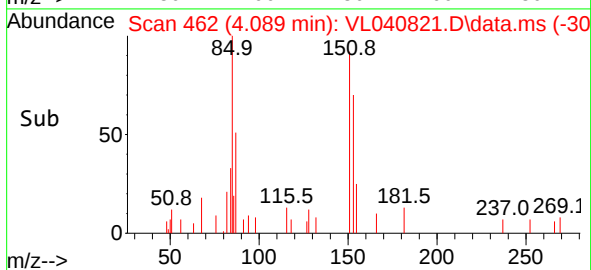
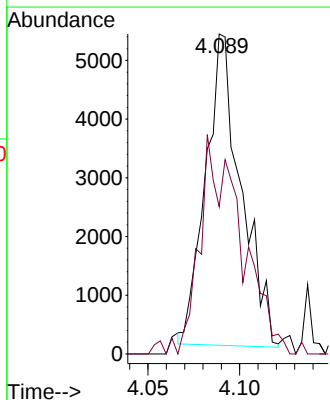
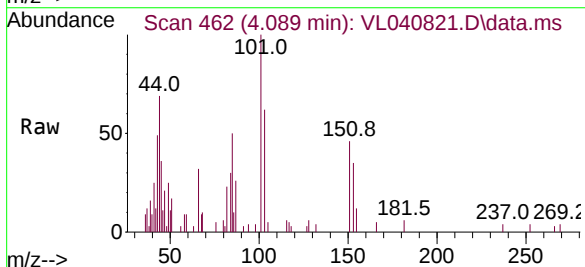
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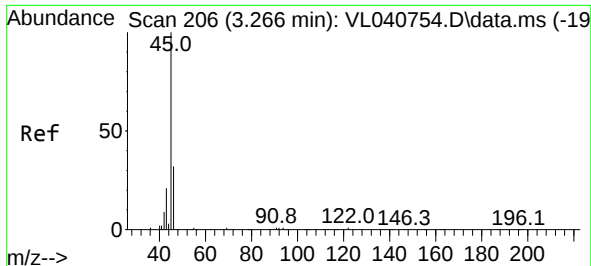
Tgt Ion:101 Resp: 36180
Ion Ratio Lower Upper
101 100
103 69.8 52.2 78.2



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.069 ppbv
RT: 4.089 min Scan# 462
Delta R.T. -0.003 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

Tgt Ion:101 Resp: 7143
Ion Ratio Lower Upper
101 100
151 83.6 58.1 87.1

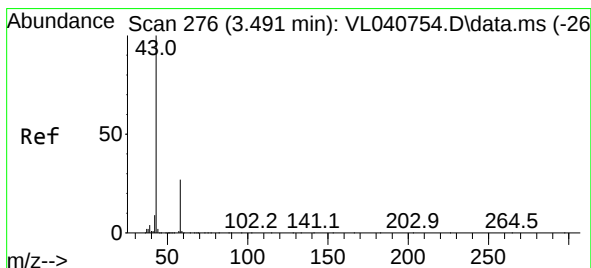
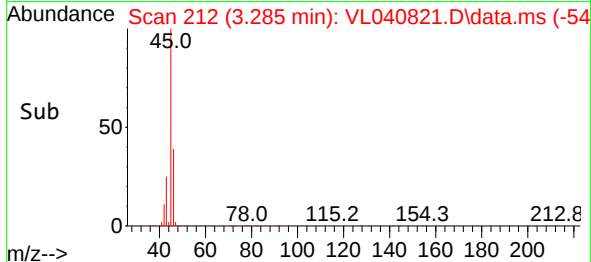
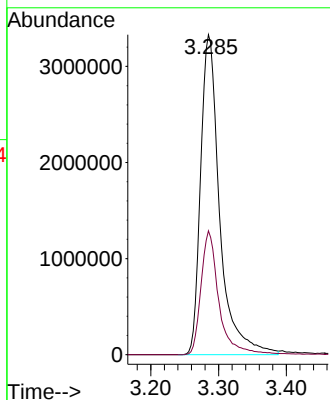
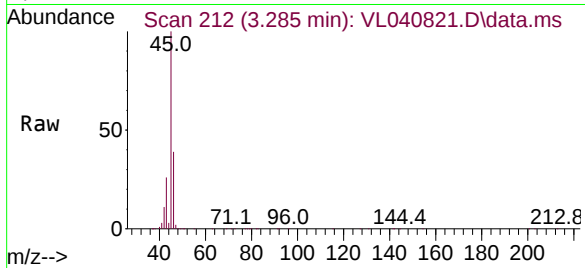




#13
Ethanol
Concen: 497.969 ppbv
RT: 3.285 min Scan# 212
Delta R.T. 0.006 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

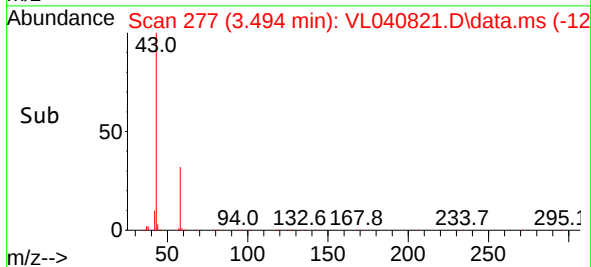
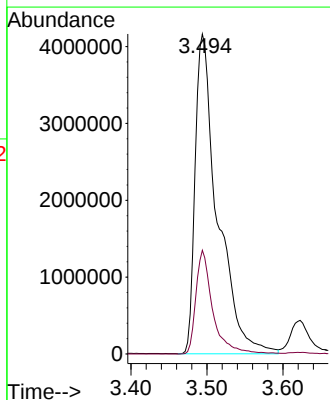
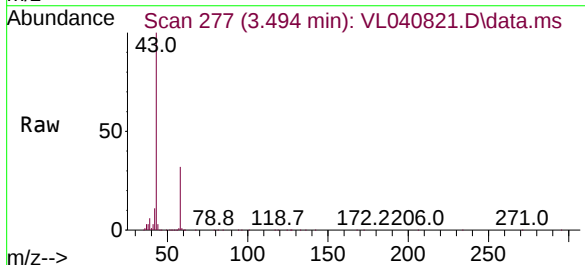
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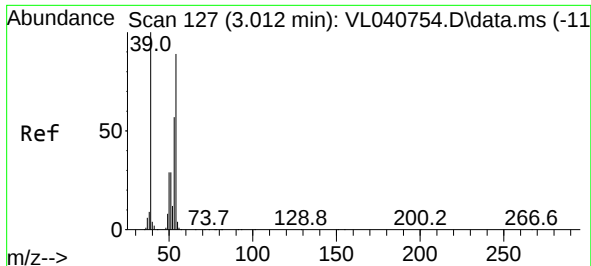
Tgt Ion: 45 Resp: 6511240
Ion Ratio Lower Upper
45 100
46 36.8 14.6 58.2



#15
Acetone
Concen: 77.535 ppbv
RT: 3.494 min Scan# 277
Delta R.T. -0.006 min
Lab File: VL040821.D
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Tgt Ion: 43 Resp: 8505815
Ion Ratio Lower Upper
43 100
58 24.5 21.6 32.4

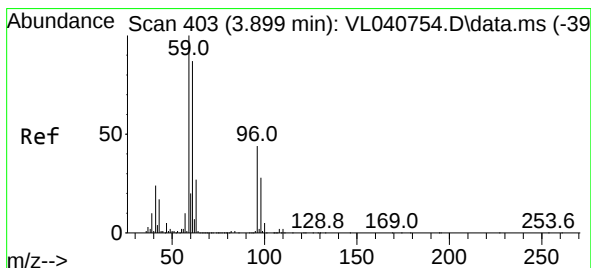
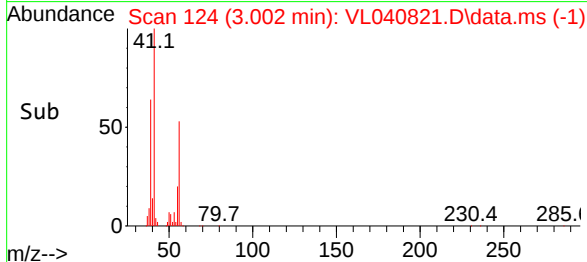
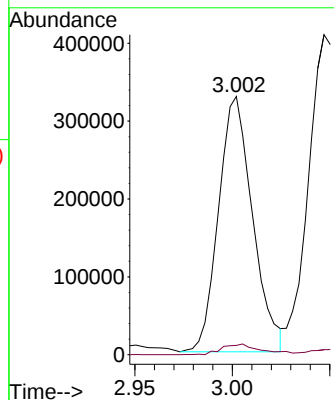
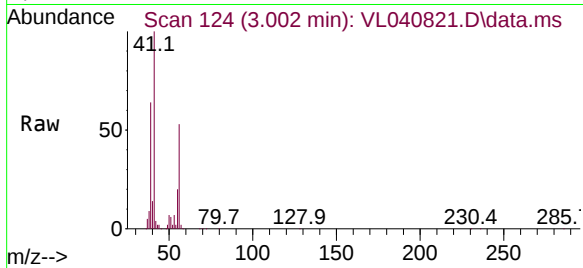




#16
1,3-Butadiene
Concen: 6.932 ppbv
RT: 3.002 min Scan# 11
Delta R.T. -0.019 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

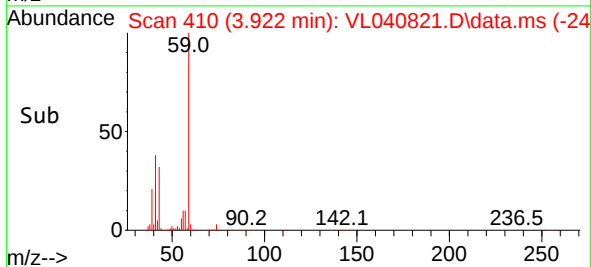
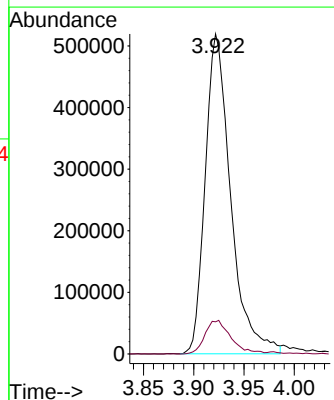
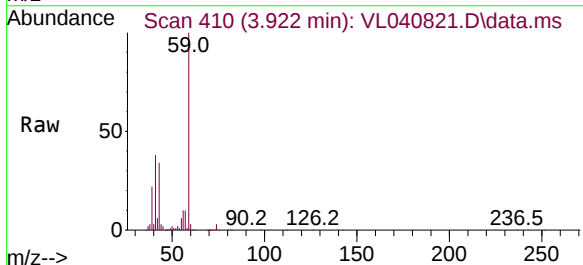
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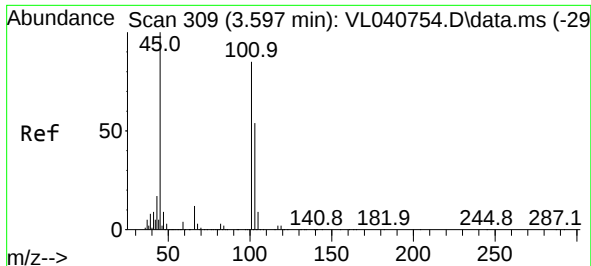
Tgt Ion: 39 Resp: 398916
Ion Ratio Lower Upper
39 100
54 4.8 63.0 94.6#



#17
tert-Butyl alcohol
Concen: 8.148 ppbv
RT: 3.922 min Scan# 410
Delta R.T. 0.016 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

Tgt Ion: 59 Resp: 916590
Ion Ratio Lower Upper
59 100
57 11.3 8.6 13.0

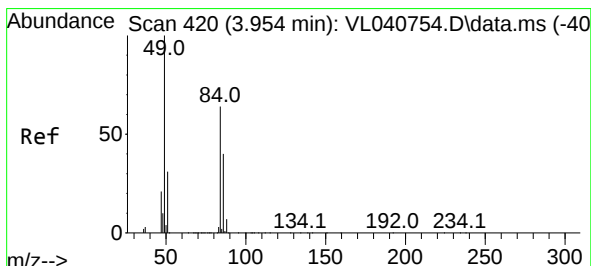
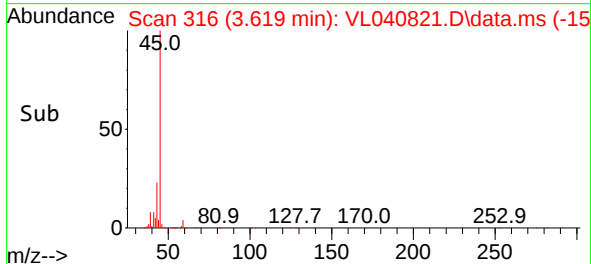
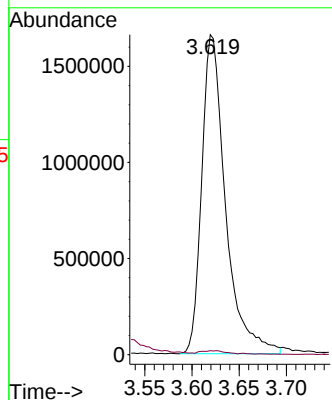
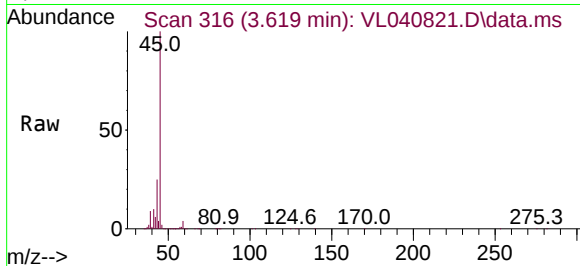




#19
Isopropyl Alcohol
Concen: 41.106 ppbv
RT: 3.619 min Scan# 316
Delta R.T. 0.013 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

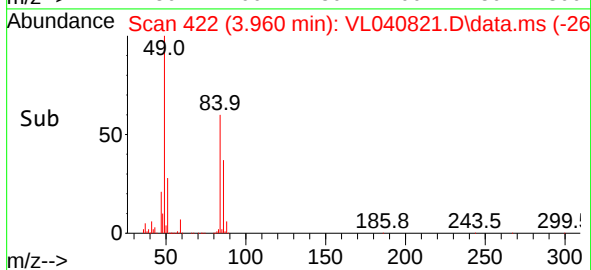
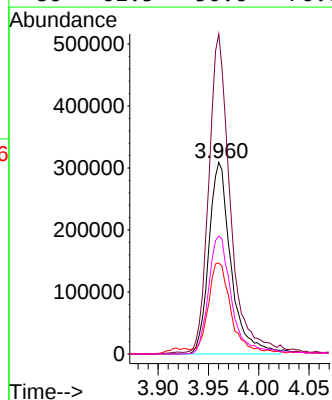
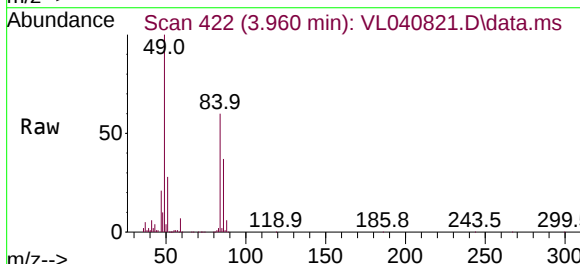
Instrument :
MSVOA_L
ClientSampleId :
SH-IA-3

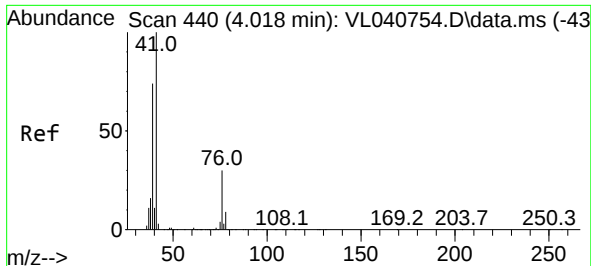
Tgt Ion: 45 Resp: 2902834
Ion Ratio Lower Upper
45 100
58 71.9 30.3 45.5#



#20
Methylene Chloride
Concen: 10.358 ppbv
RT: 3.960 min Scan# 422
Delta R.T. 0.000 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

Tgt Ion: 84 Resp: 473304
Ion Ratio Lower Upper
84 100
49 166.2 125.6 188.4
51 46.2 38.9 58.3
86 61.5 50.6 76.0

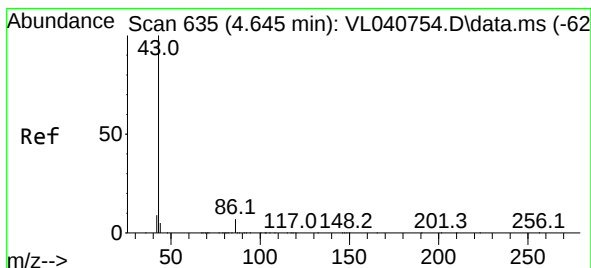
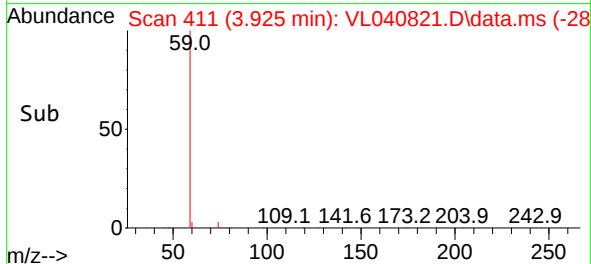
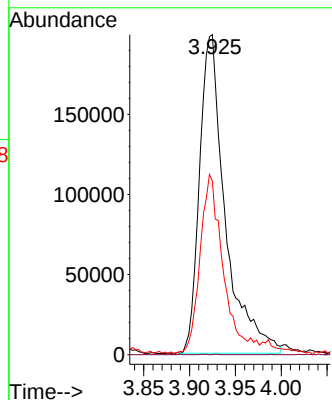
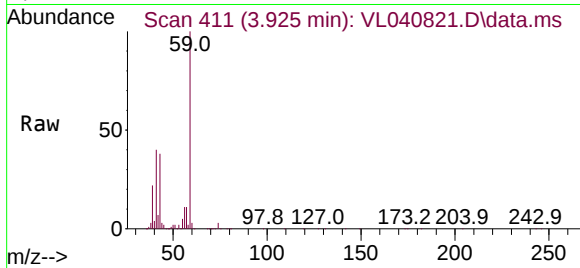




#21
 Allyl Chloride
 Concen: 5.366 ppbv
 RT: 3.925 min Scan# 41
 Delta R.T. -0.096 min
 Lab File: VL040821.D
 Acq: 8 Nov 2023 21:54

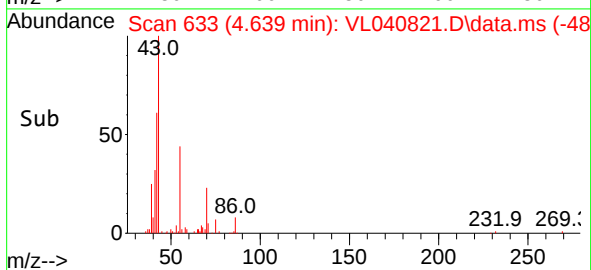
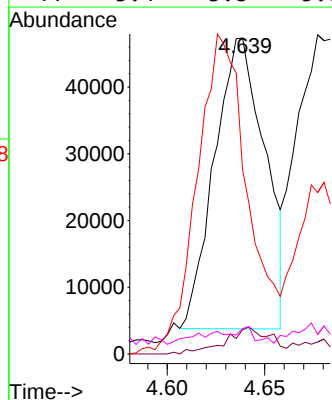
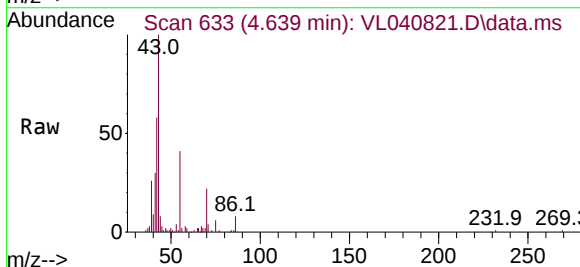
Instrument :
 MSVOA_L
 ClientSampleId :
 SH-IA-3

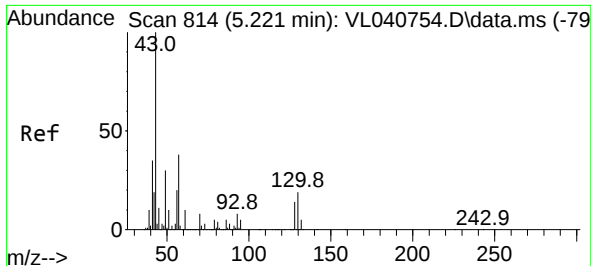
Tgt Ion: 41 Resp: 388202
 Ion Ratio Lower Upper
 41 100
 76 0.1 24.1 36.1#
 39 53.7 63.8 95.6#



#23
 Vinyl Acetate
 Concen: 0.560 ppbv
 RT: 4.639 min Scan# 633
 Delta R.T. -0.010 min
 Lab File: VL040821.D
 Acq: 8 Nov 2023 21:54

Tgt Ion: 43 Resp: 78291
 Ion Ratio Lower Upper
 43 100
 86 8.8 4.9 7.3#
 42 47.5 7.8 11.6#
 44 3.4 3.8 5.6#



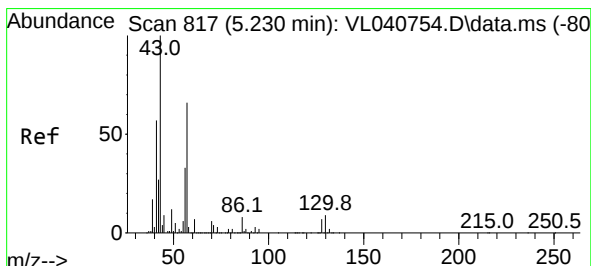
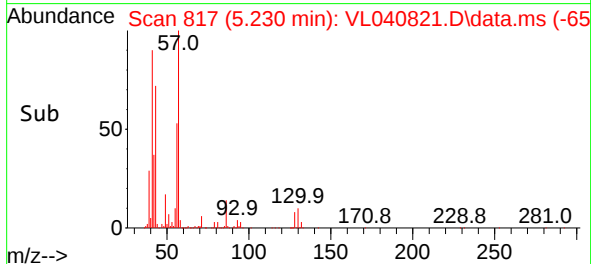
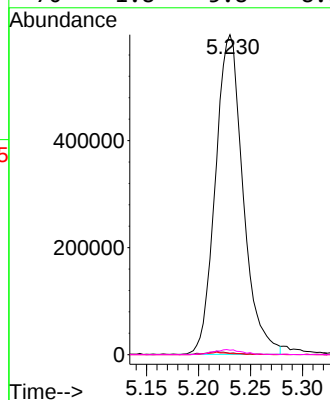
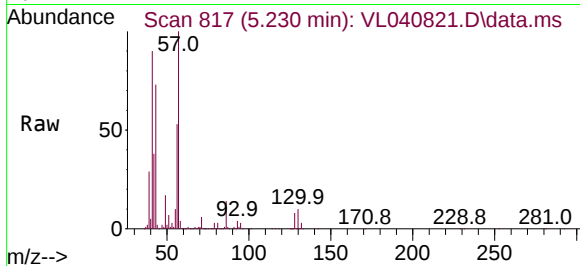


#25
Ethyl Acetate
Concen: 4.592 ppbv
RT: 5.230 min Scan# 814
Delta R.T. 0.010 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

Instrument :
MSVOA_L
ClientSampleId :
SH-IA-3

Tgt Ion: 43 Resp: 1103616

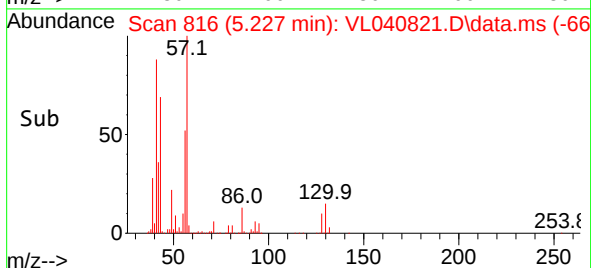
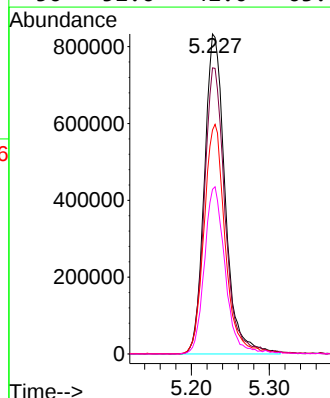
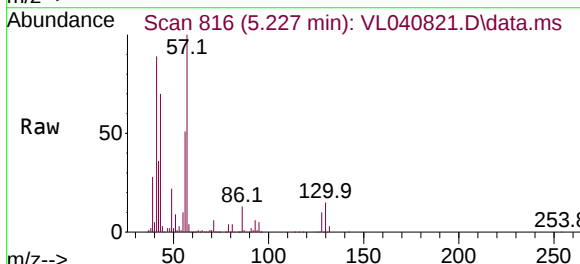
Ion	Ratio	Lower	Upper
43	100		
45	1.1	8.2	12.4#
61	0.7	8.2	12.2#
70	1.8	5.8	8.6#

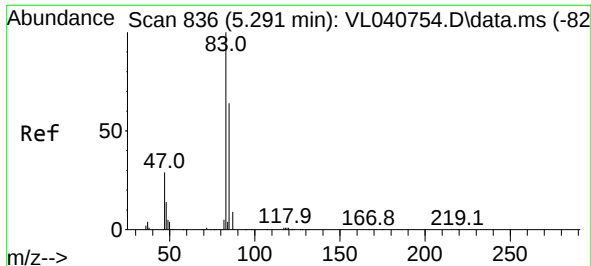


#26
Hexane
Concen: 13.986 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.000 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

Tgt Ion: 57 Resp: 1536455

Ion	Ratio	Lower	Upper
57	100		
41	90.5	71.4	107.2
43	73.3	182.3	273.5#
56	52.6	42.0	63.0





#29

Chloroform

Concen: 0.135 ppbv

RT: 5.291 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL040821.D

Acq: 8 Nov 2023 21:54

Instrument :

MSVOA_L

ClientSampleId :

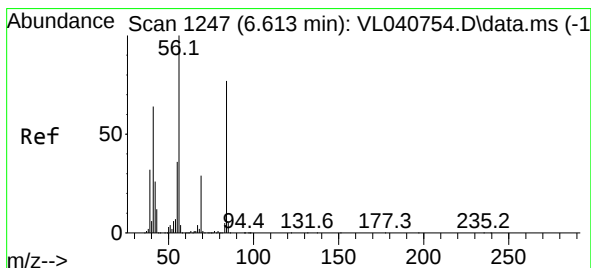
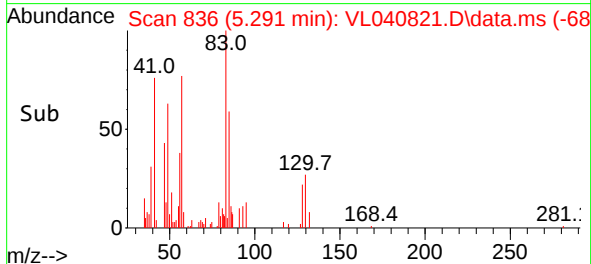
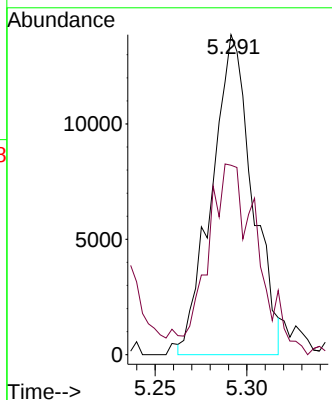
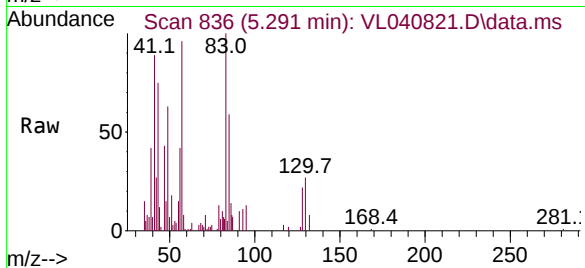
SH-IA-3

Tgt Ion: 83 Resp: 21426

Ion Ratio Lower Upper

83 100

85 55.0 51.3 76.9



#30

Cyclohexane

Concen: 0.089 ppbv

RT: 6.610 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VL040821.D

Acq: 8 Nov 2023 21:54

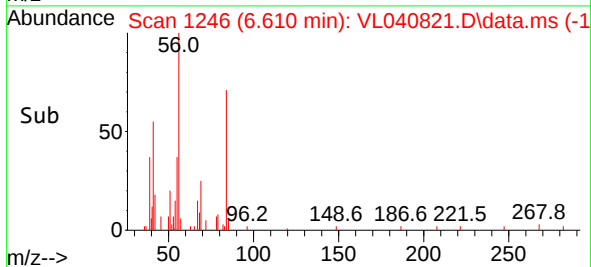
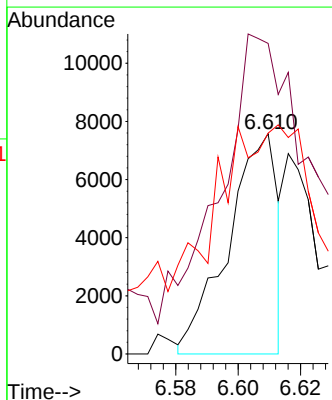
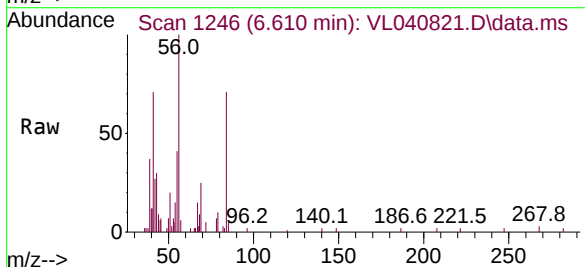
Tgt Ion: 84 Resp: 8290

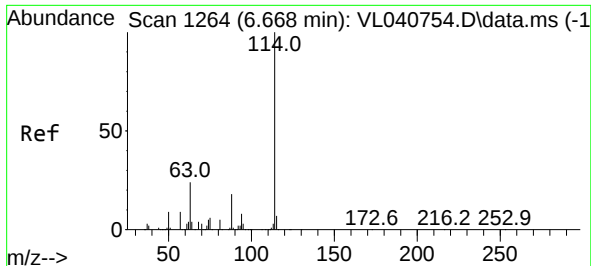
Ion Ratio Lower Upper

84 100

56 186.1 110.3 165.5#

41 0.0 67.4 101.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040821.D

Acq: 8 Nov 2023 21:54

Instrument :

MSVOA_L

ClientSampleId :

SH-IA-3

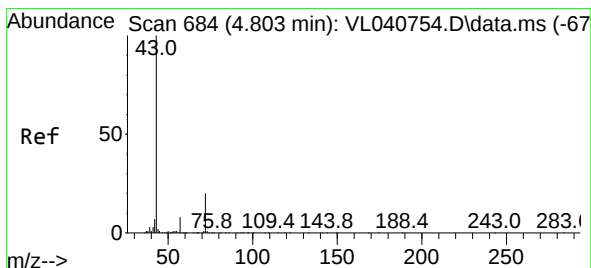
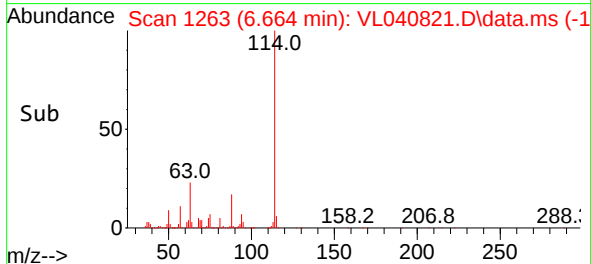
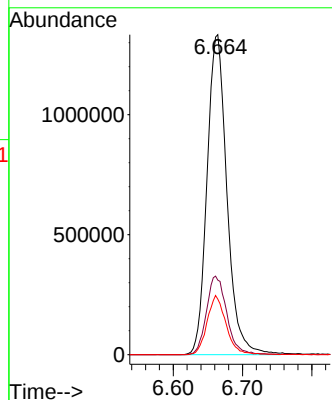
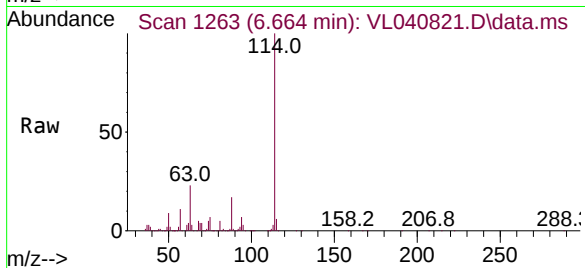
Tgt Ion:114 Resp: 2652200

Ion Ratio Lower Upper

114 100

63 25.3 19.8 29.6

88 17.7 14.2 21.2



#34

2-Butanone

Concen: 1.966 ppbv

RT: 4.806 min Scan# 685

Delta R.T. 0.000 min

Lab File: VL040821.D

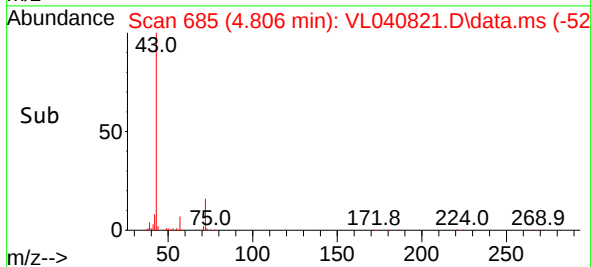
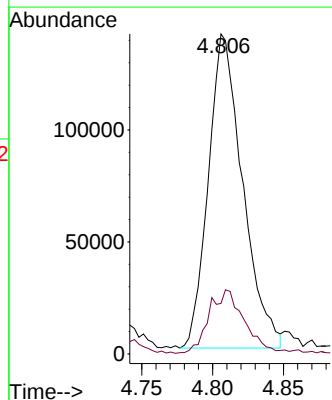
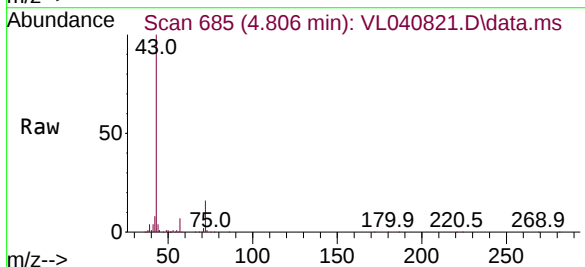
Acq: 8 Nov 2023 21:54

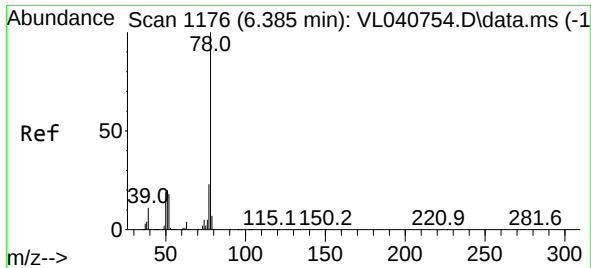
Tgt Ion: 43 Resp: 236019

Ion Ratio Lower Upper

43 100

72 22.2 16.8 25.2





#36

Benzene

Concen: 0.487 ppbv

RT: 6.381 min Scan# 1176

Delta R.T. 0.000 min

Lab File: VL040821.D

Acq: 8 Nov 2023 21:54

Instrument :

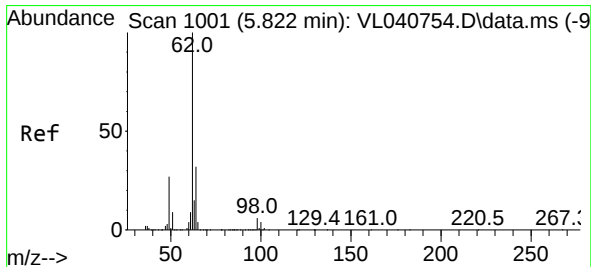
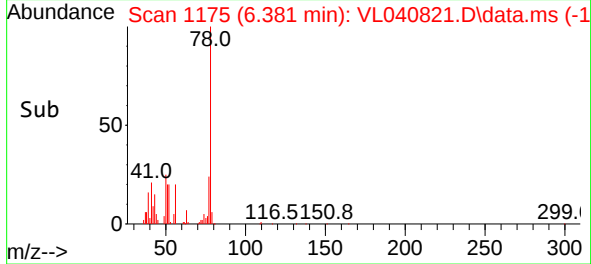
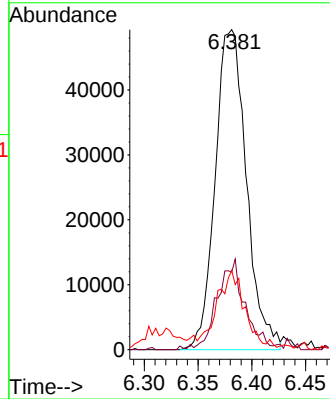
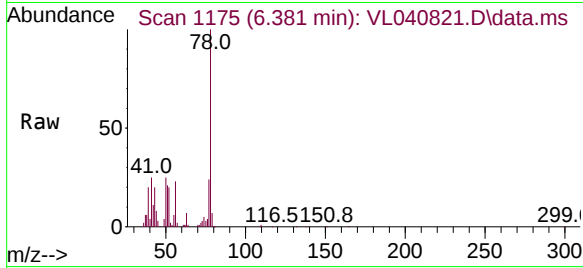
MSVOA_L

ClientSampleId :

SH-IA-3

Tgt Ion: 78 Resp: 99444

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.4	27.6
50	23.7	15.0	22.4



#37

1,2-Dichloroethane

Concen: 0.137 ppbv

RT: 5.819 min Scan# 1000

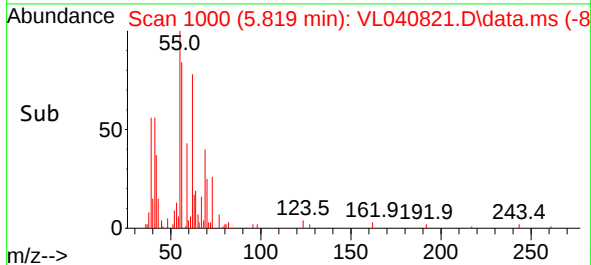
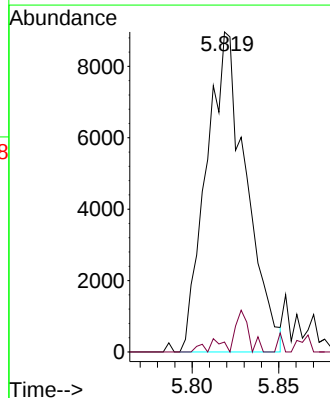
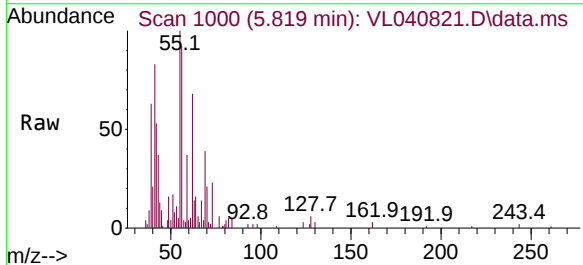
Delta R.T. -0.003 min

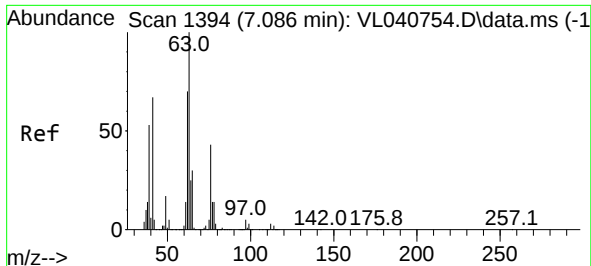
Lab File: VL040821.D

Acq: 8 Nov 2023 21:54

Tgt Ion: 62 Resp: 14341

Ion	Ratio	Lower	Upper
62	100		
98	8.1	5.4	8.0





#39

1,2-Dichloropropane

Concen: 8.288 ppbv

RT: 6.661 min Scan# 1

Delta R.T. -0.421 min

Lab File: VL040821.D

Acq: 8 Nov 2023 21:54

Instrument :

MSVOA_L

ClientSampleId :

SH-IA-3

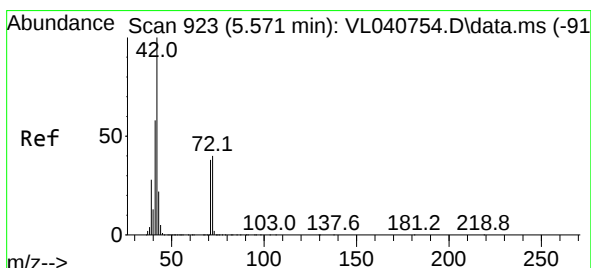
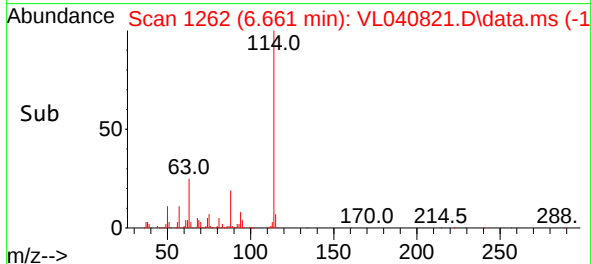
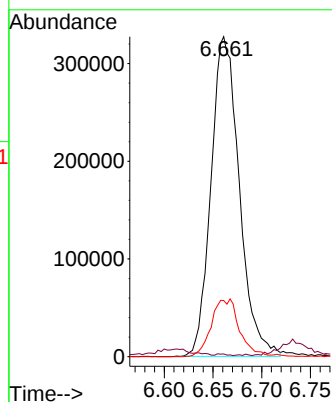
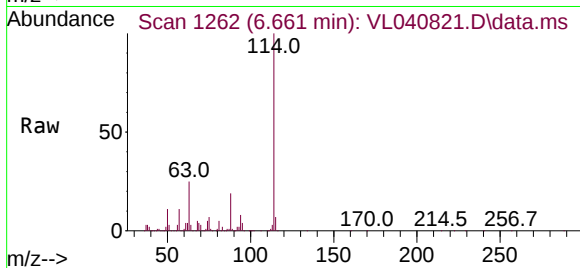
Tgt Ion: 63 Resp: 660543

Ion Ratio Lower Upper

63 100

41 0.0 53.7 80.5#

62 17.6 55.7 83.5#



#41

Tetrahydrofuran

Concen: 0.087 ppbv

RT: 5.819 min Scan# 1000

Delta R.T. 0.248 min

Lab File: VL040821.D

Acq: 8 Nov 2023 21:54

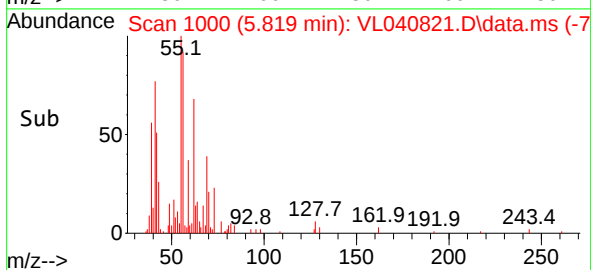
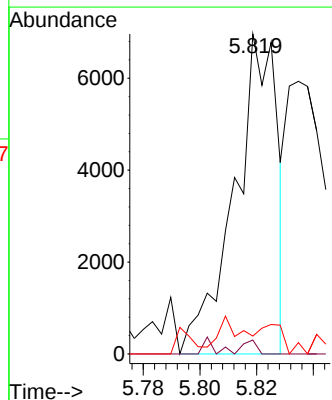
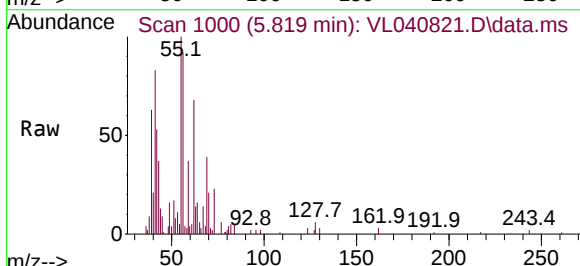
Tgt Ion: 42 Resp: 7272

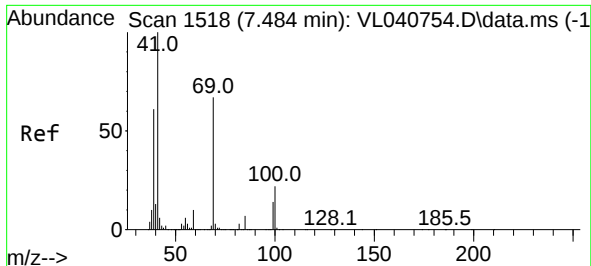
Ion Ratio Lower Upper

42 100

72 2.8 31.1 46.7#

71 0.0 29.7 44.5#

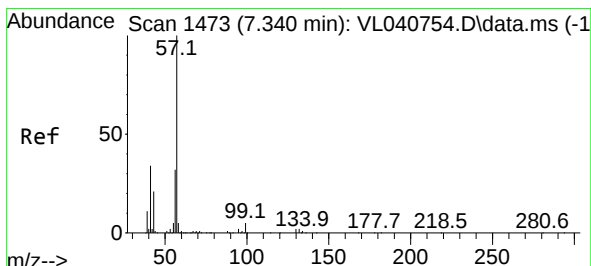
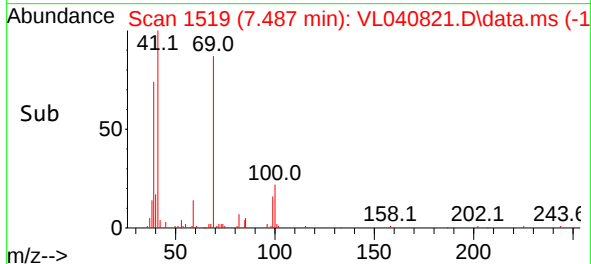
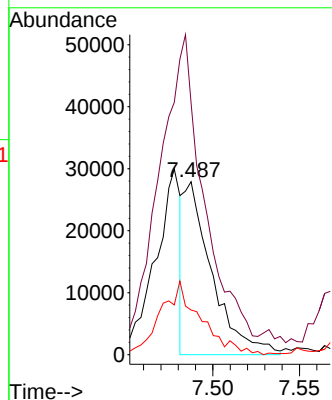
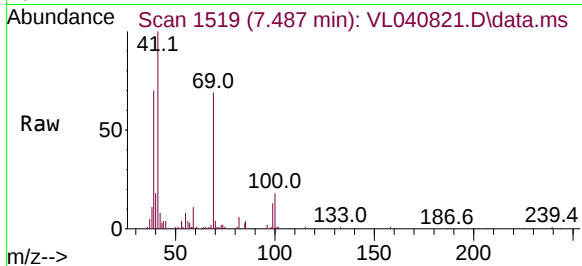




#43
Methyl Methacrylate
Concen: 0.387 ppbv
RT: 7.487 min Scan# 1519
Delta R.T. 0.006 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

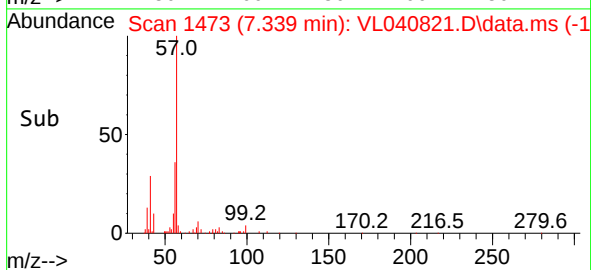
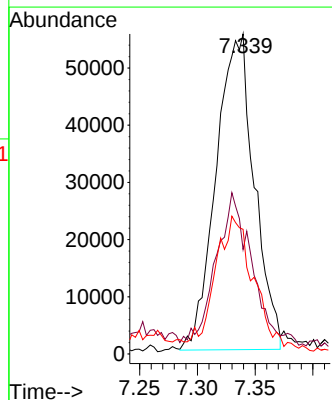
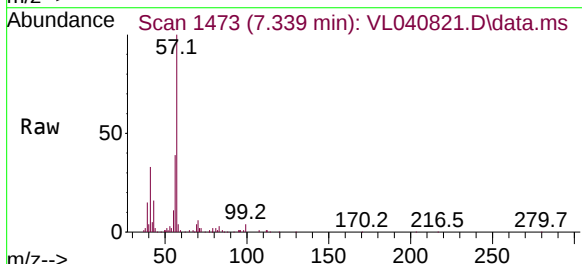
Instrument :
MSVOA_1
ClientSampleId :
SH-IA-3

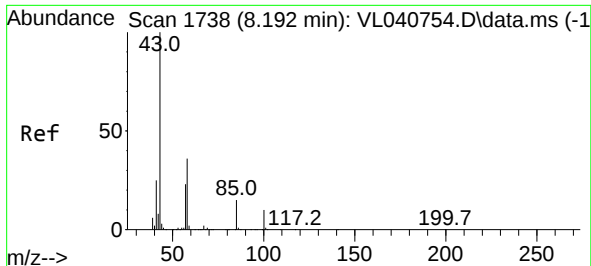
Tgt Ion: 69 Resp: 31568
Ion Ratio Lower Upper
69 100
41 292.2 120.6 181.0#
100 61.5 27.1 40.7#



#44
2,2,4-Trimethylpentane
Concen: 0.368 ppbv
RT: 7.339 min Scan# 1473
Delta R.T. 0.006 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

Tgt Ion: 57 Resp: 127099
Ion Ratio Lower Upper
57 100
41 53.0 27.4 41.0#
56 47.5 25.0 37.6#





#50

4-Methyl-2-Pentanone

Concen: 0.767 ppbv

RT: 8.188 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL040821.D

Acq: 8 Nov 2023 21:54

Instrument :

MSVOA_L

ClientSampleId :

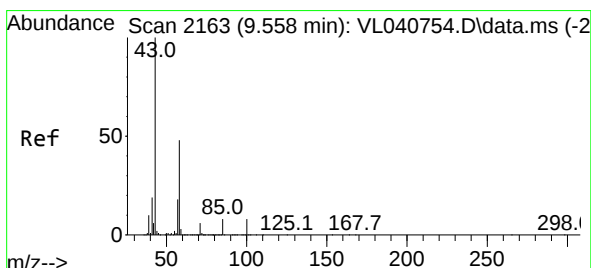
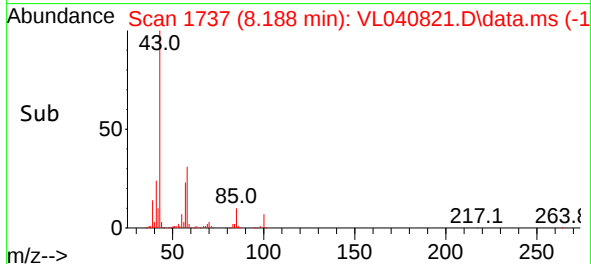
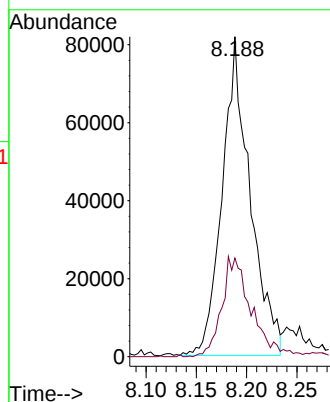
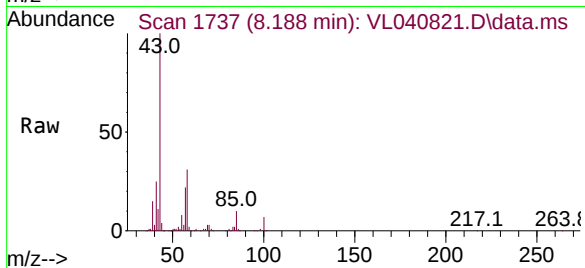
SH-IA-3

Tgt Ion: 43 Resp: 157558

Ion Ratio Lower Upper

43 100

58 34.3 28.8 43.2



#51

2-Hexanone

Concen: 0.255 ppbv

RT: 9.555 min Scan# 2162

Delta R.T. 0.006 min

Lab File: VL040821.D

Acq: 8 Nov 2023 21:54

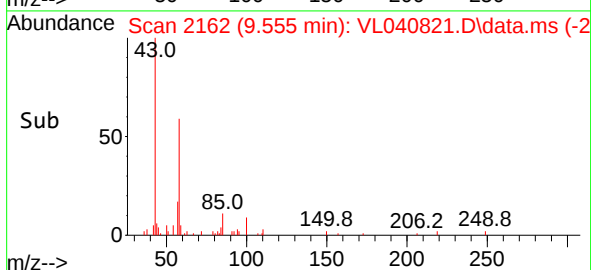
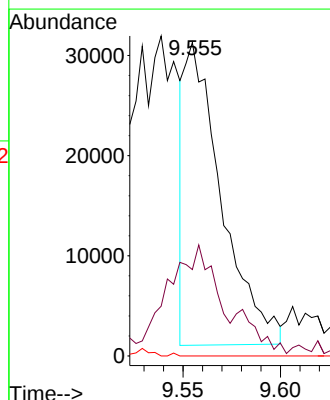
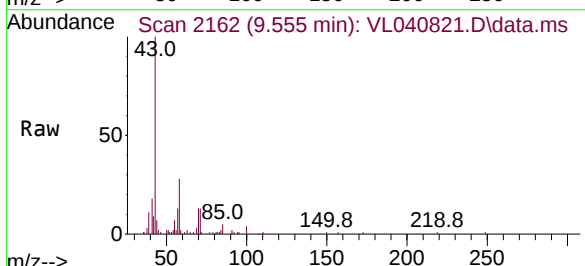
Tgt Ion: 43 Resp: 39842

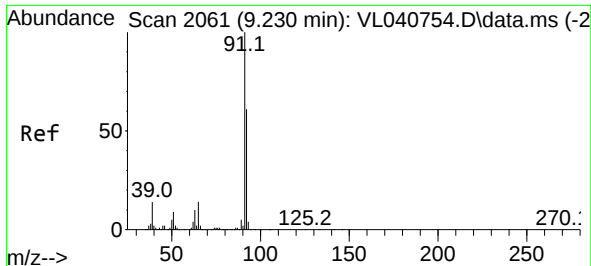
Ion Ratio Lower Upper

43 100

58 61.4 38.6 58.0#

98 0.0 0.0 0.0

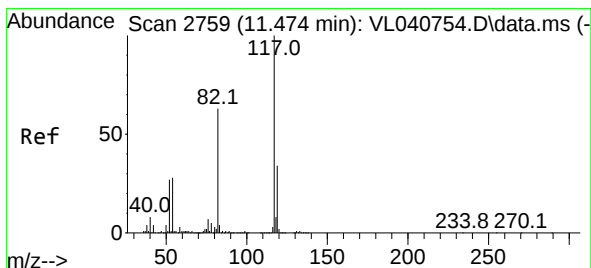
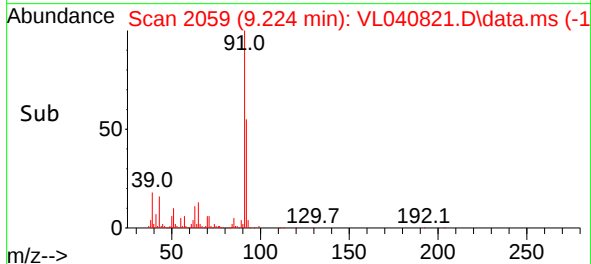
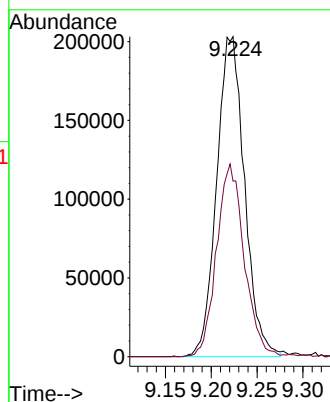
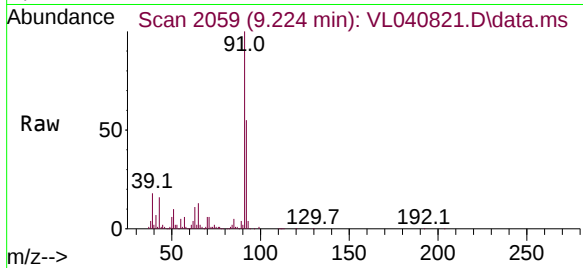




#53
Toluene
Concen: 1.770 ppbv
RT: 9.224 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

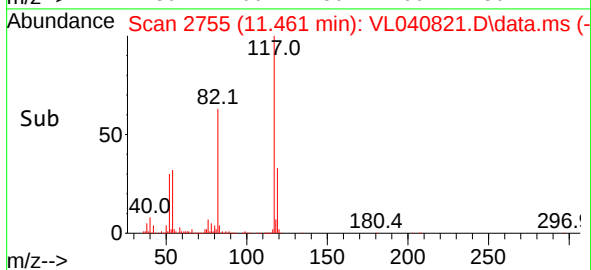
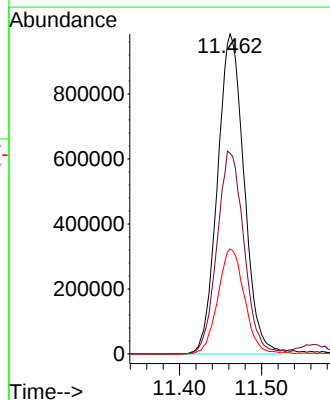
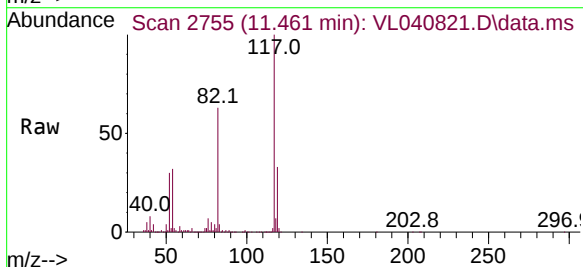
Instrument :
MSVOA_1
ClientSampleId :
SH-IA-3

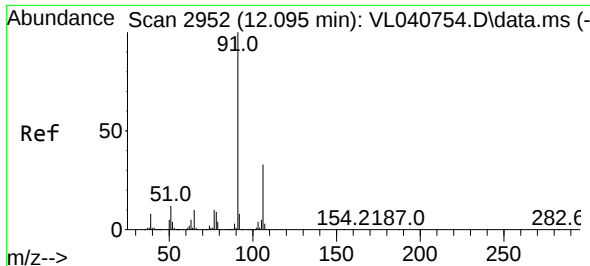
Tgt Ion: 91 Resp: 429652
Ion Ratio Lower Upper
91 100
92 60.1 50.2 75.2



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.461 min Scan# 2755
Delta R.T. 0.000 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

Tgt Ion: 117 Resp: 2217592
Ion Ratio Lower Upper
117 100
82 64.4 46.6 70.0
119 33.0 26.0 39.0

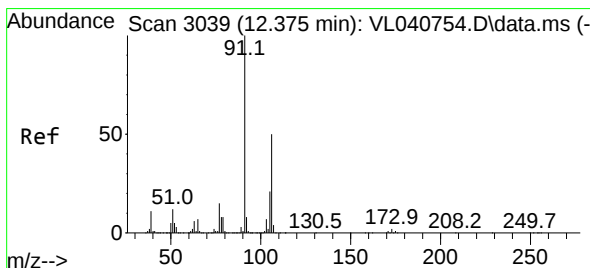
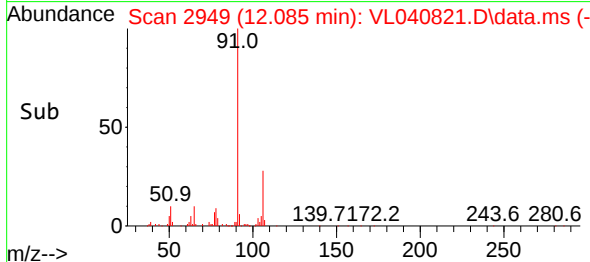
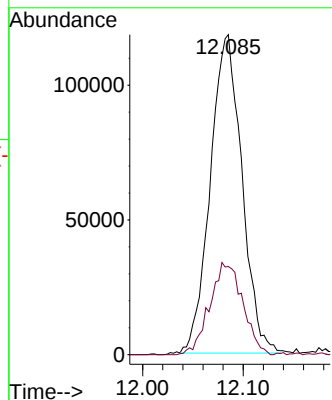
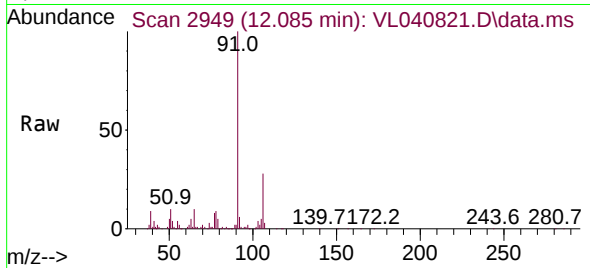




#58
Ethyl Benzene
Concen: 0.924 ppbv
RT: 12.085 min Scan# 2952
Delta R.T. 0.003 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

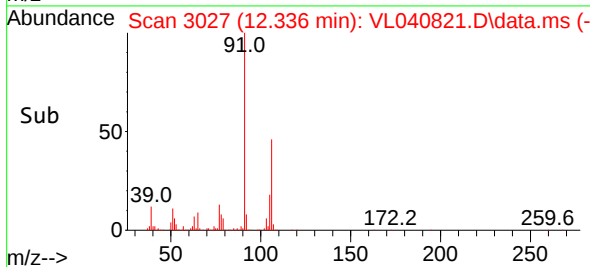
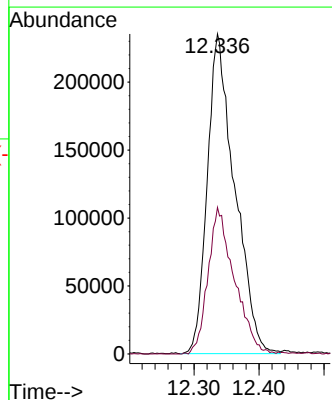
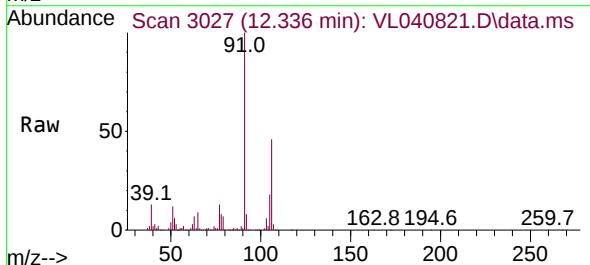
Instrument :
MSVOA_L
ClientSampleId :
SH-IA-3

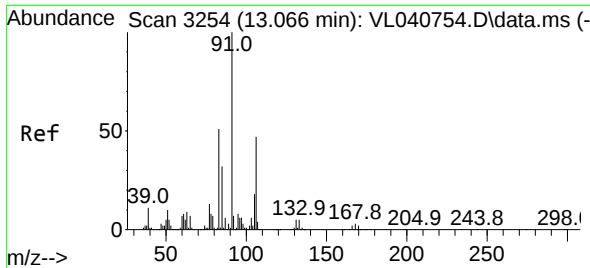
Tgt Ion: 91 Resp: 258027
Ion Ratio Lower Upper
91 100
106 27.4 26.7 40.1



#59
m/p-Xylene
Concen: 2.993 ppbv
RT: 12.336 min Scan# 3027
Delta R.T. -0.032 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

Tgt Ion: 91 Resp: 687694
Ion Ratio Lower Upper
91 100
106 44.1 37.7 56.5

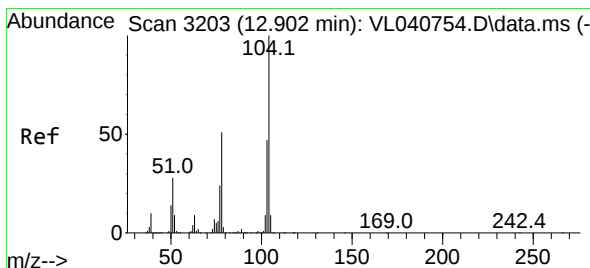
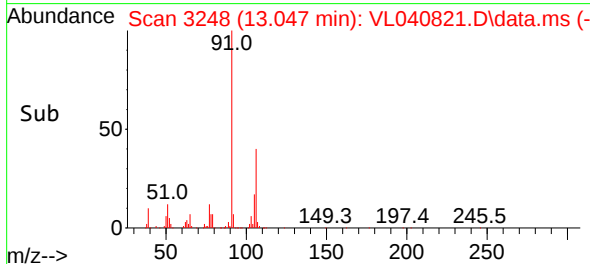
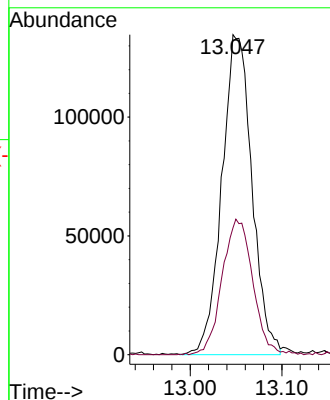
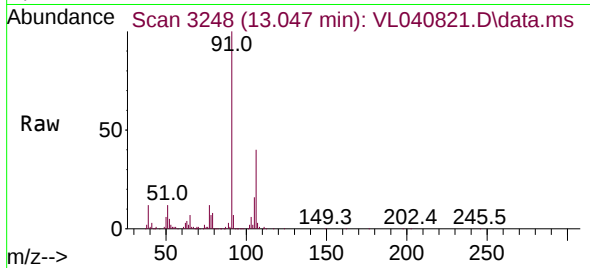




#60
o-Xylene
Concen: 1.401 ppbv
RT: 13.047 min Scan# 3199
Delta R.T. -0.006 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

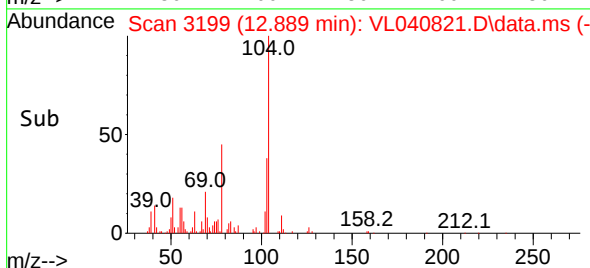
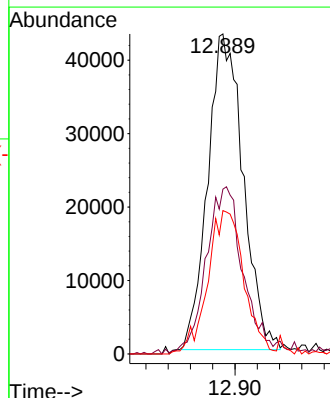
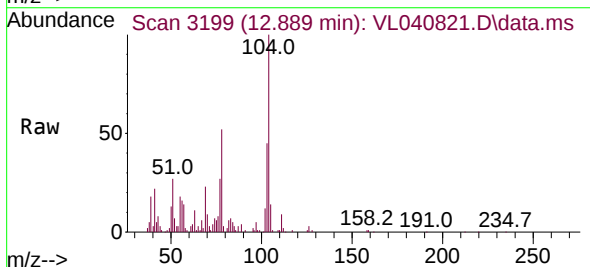
Instrument :
MSVOA_L
ClientSampleId :
SH-IA-3

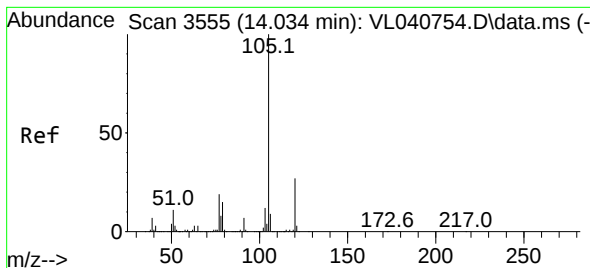
Tgt Ion: 91 Resp: 306730
Ion Ratio Lower Upper
91 100
106 43.3 23.5 70.5



#61
Styrene
Concen: 0.781 ppbv
RT: 12.889 min Scan# 3199
Delta R.T. -0.003 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

Tgt Ion: 104 Resp: 94708
Ion Ratio Lower Upper
104 100
78 57.5 39.8 59.6
103 47.5 37.5 56.3





#62

Isopropylbenzene

Concen: 0.961 ppbv

RT: 14.021 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL040821.D

Acq: 8 Nov 2023 21:54

Instrument :

MSVOA_L

ClientSampleId :

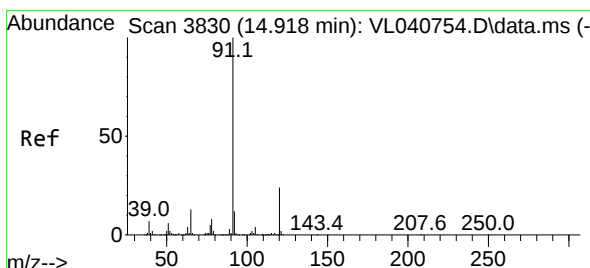
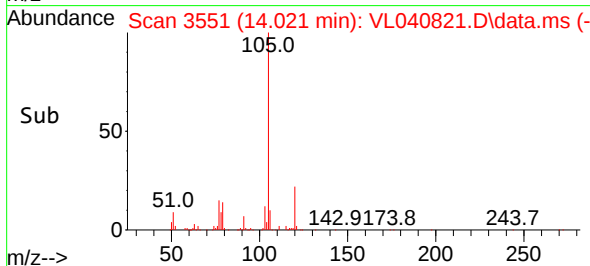
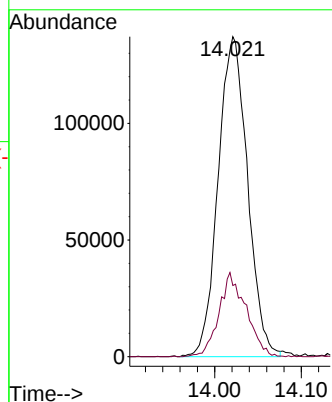
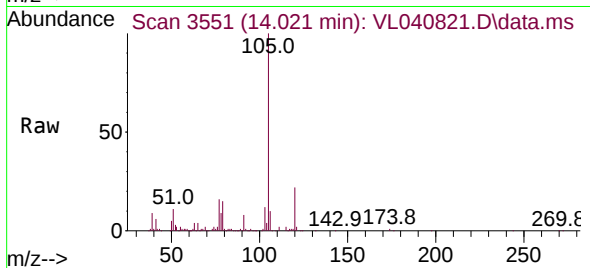
SH-IA-3

Tgt Ion:105 Resp: 323557

Ion Ratio Lower Upper

105 100

120 24.3 21.5 32.3



#64

n-propylbenzene

Concen: 0.438 ppbv

RT: 14.912 min Scan# 3828

Delta R.T. 0.003 min

Lab File: VL040821.D

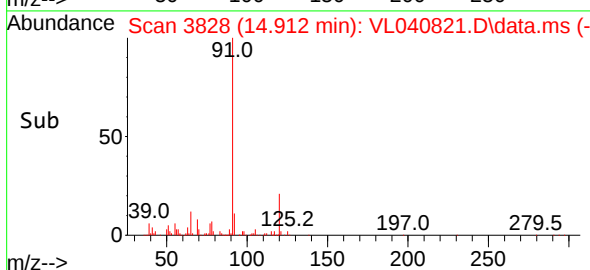
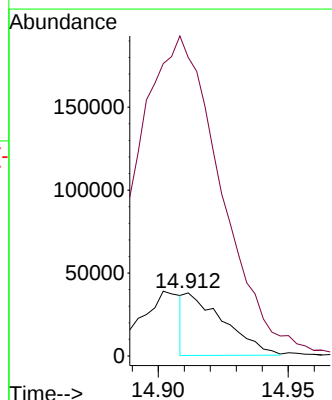
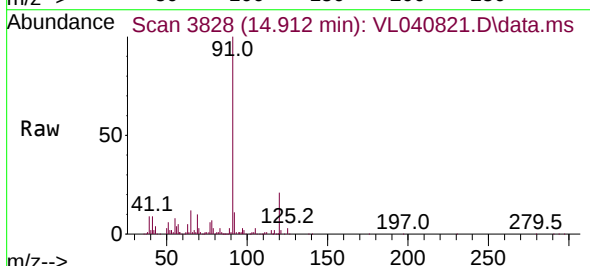
Acq: 8 Nov 2023 21:54

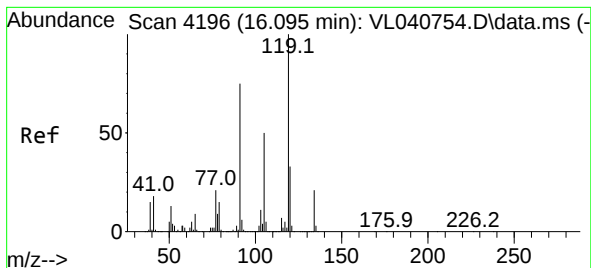
Tgt Ion:120 Resp: 39643

Ion Ratio Lower Upper

120 100

91 1146.1 345.9 518.9#

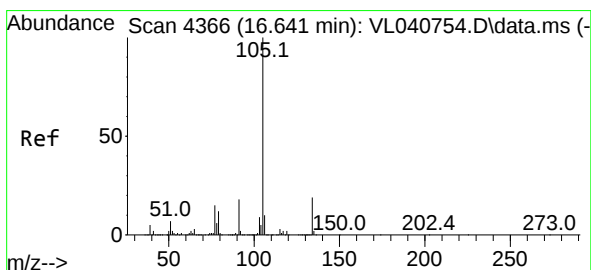
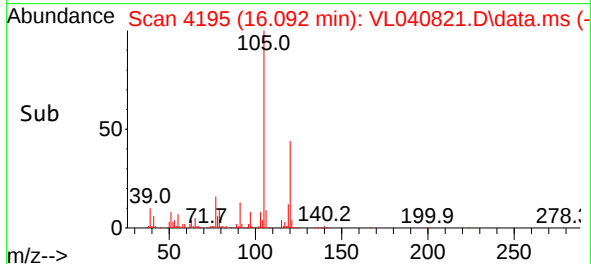
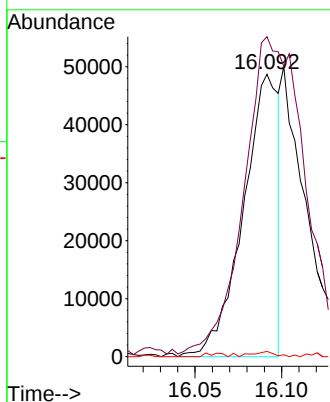
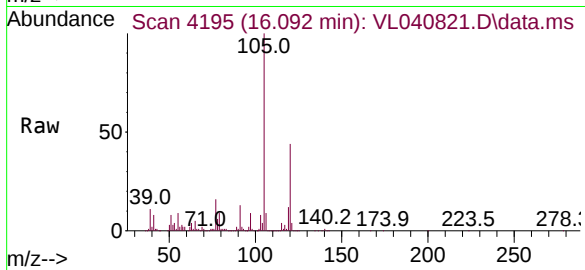




#65
tert-Butylbenzene
Concen: 0.226 ppbv
RT: 16.092 min Scan# 4196
Delta R.T. 0.010 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

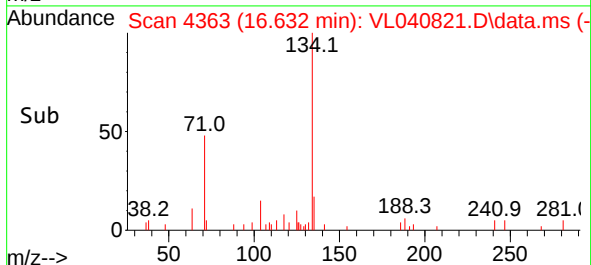
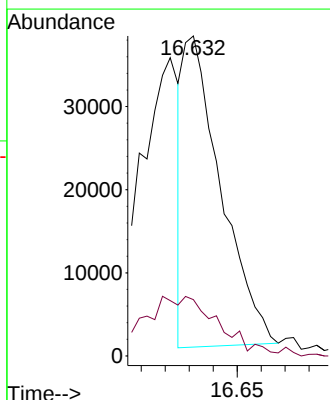
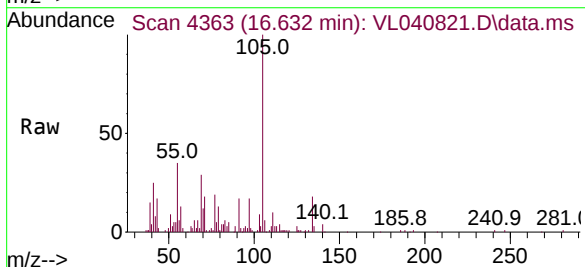
Instrument :
MSVOA_L
ClientSampleId :
SH-IA-3

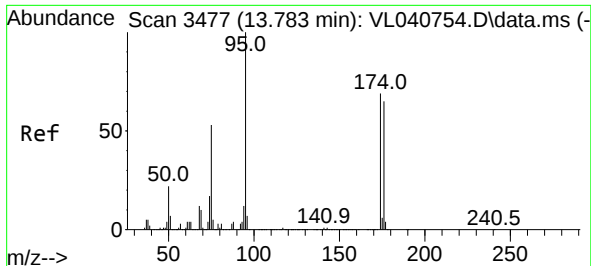
Tgt Ion:119 Resp: 68796
Ion Ratio Lower Upper
119 100
91 199.1 62.2 93.2#
134 1.9 16.1 24.1#



#67
sec-Butylbenzene
Concen: 0.098 ppbv
RT: 16.632 min Scan# 4363
Delta R.T. 0.003 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

Tgt Ion:105 Resp: 40928
Ion Ratio Lower Upper
105 100
134 0.0 15.4 23.2#

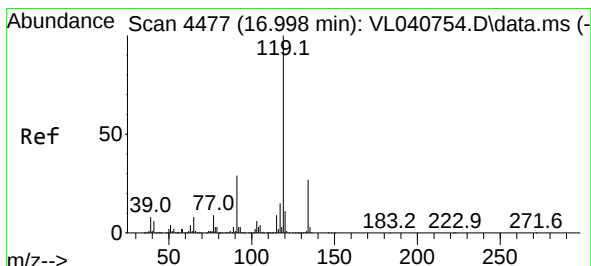
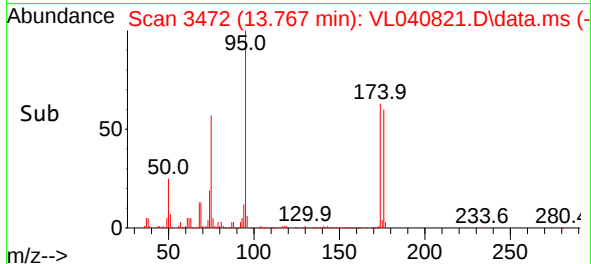
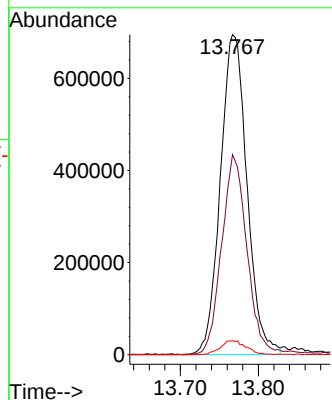
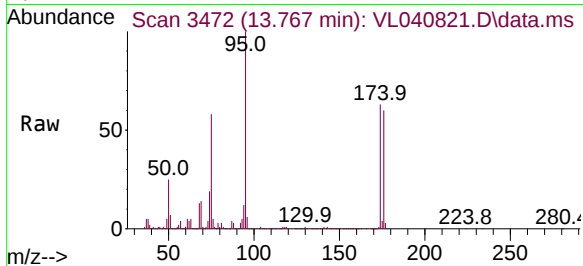




#68
1-Bromo-4-Fluorobenzene
Concen: 10.106 ppbv
RT: 13.767 min Scan# 3472
Delta R.T. -0.003 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

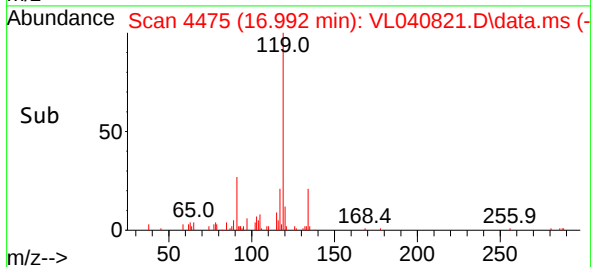
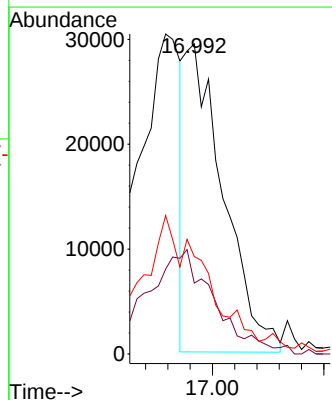
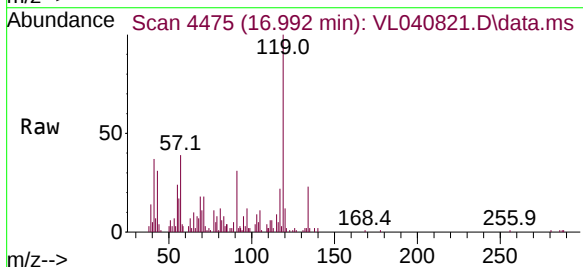
Instrument :
MSVOA_L
ClientSampleId :
SH-IA-3

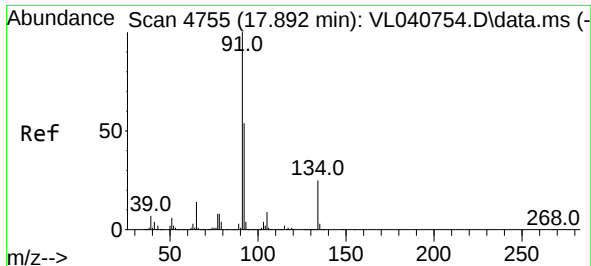
Tgt Ion: 95 Resp: 1649024
Ion Ratio Lower Upper
95 100
174 61.0 54.7 82.1
175 4.4 4.2 6.4



#69
p-Isopropyltoluene
Concen: 0.101 ppbv
RT: 16.992 min Scan# 4475
Delta R.T. 0.006 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

Tgt Ion: 119 Resp: 35255
Ion Ratio Lower Upper
119 100
134 62.2 21.0 31.4#
91 0.0 22.8 34.2#

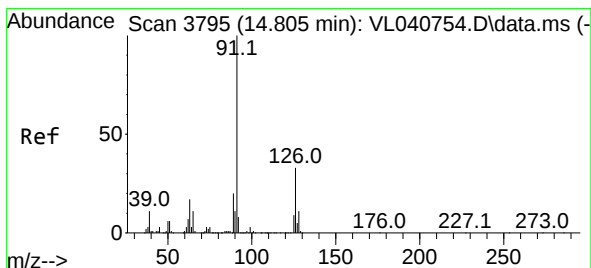
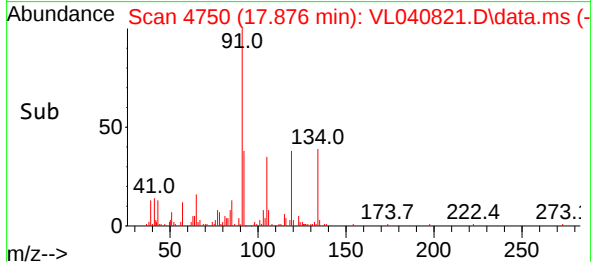
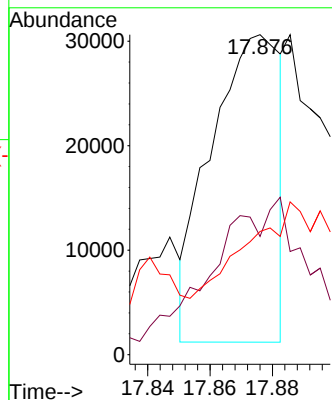
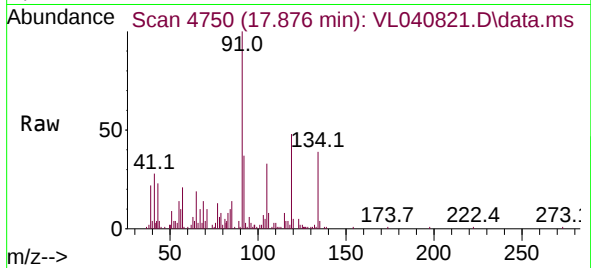




#70
n-Butylbenzene
Concen: 0.132 ppbv
RT: 17.876 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

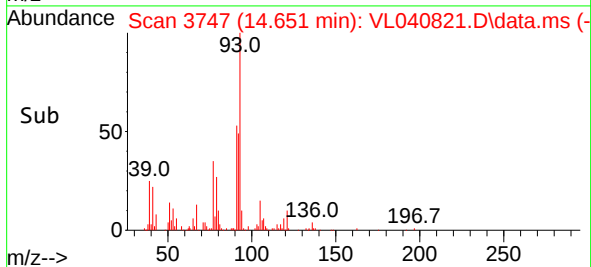
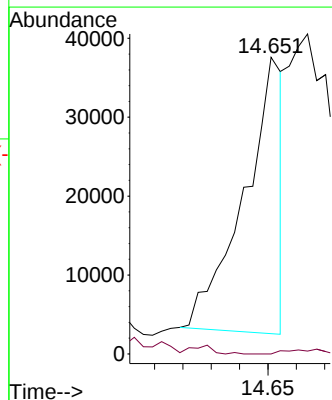
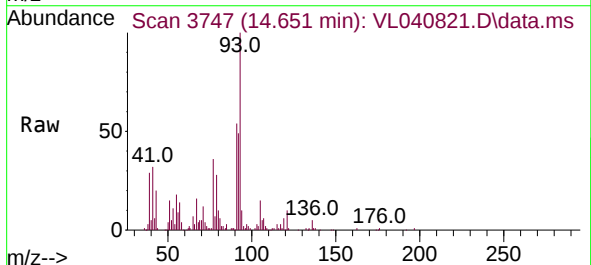
Instrument :
MSVOA_L
ClientSampleId :
SH-IA-3

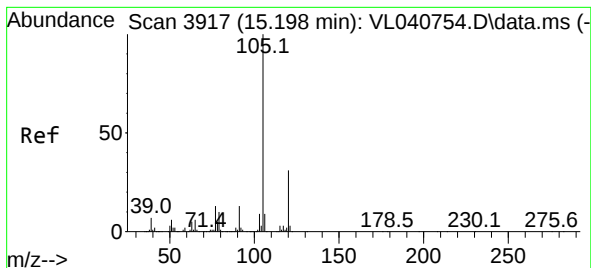
Tgt Ion: 91 Resp: 45233
Ion Ratio Lower Upper
91 100
92 0.0 44.1 66.1#
134 0.0 19.5 29.3#



#71
2-Chlorotoluene
Concen: 0.130 ppbv
RT: 14.651 min Scan# 3747
Delta R.T. -0.141 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

Tgt Ion: 91 Resp: 32908
Ion Ratio Lower Upper
91 100
126 14.4 13.3 53.1

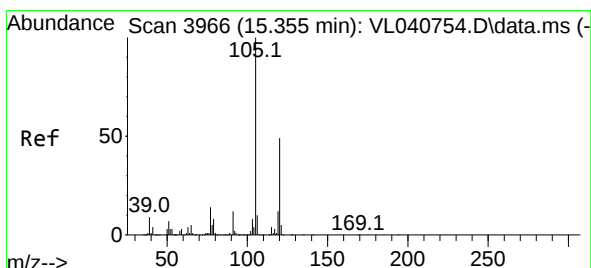
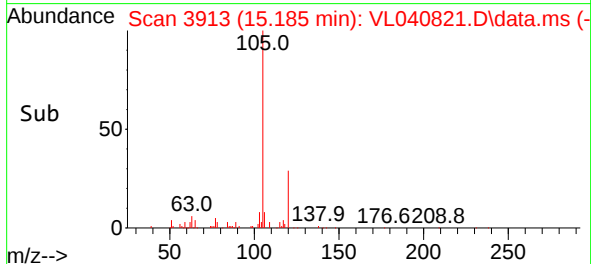
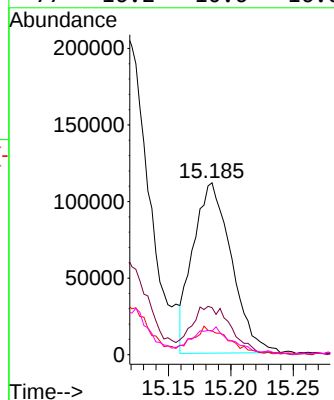
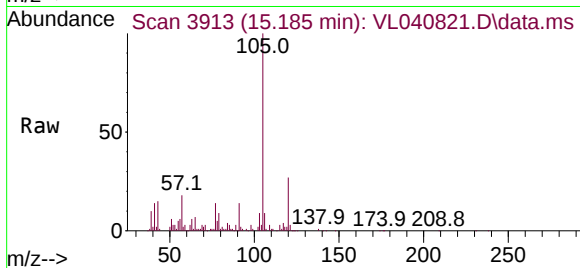




#72
4-Ethyltoluene
Concen: 0.929 ppbv
RT: 15.185 min Scan# 3913
Delta R.T. 0.000 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

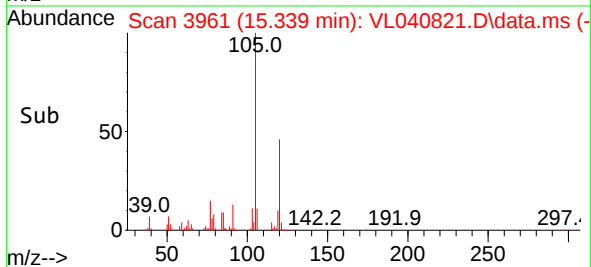
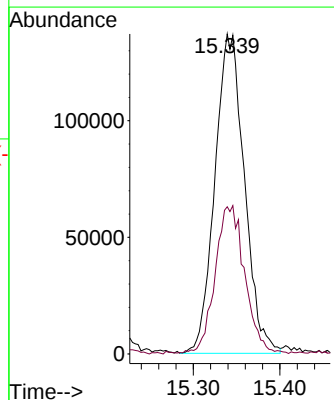
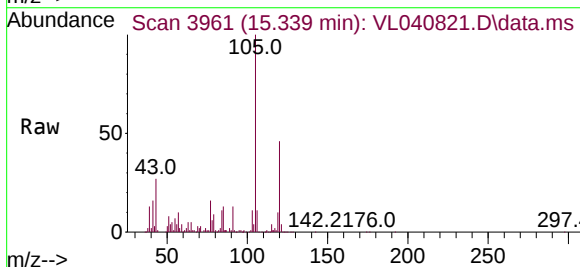
Instrument :
MSVOA_L
ClientSampleId :
SH-IA-3

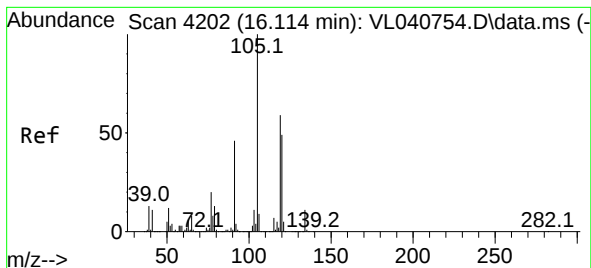
Tgt Ion:105 Resp: 238094
Ion Ratio Lower Upper
105 100
120 29.8 25.0 37.4
91 15.7 9.8 14.8#
77 16.2 10.6 16.0#



#73
1,3,5-Trimethylbenzene
Concen: 1.434 ppbv
RT: 15.339 min Scan# 3961
Delta R.T. -0.003 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

Tgt Ion:105 Resp: 323639
Ion Ratio Lower Upper
105 100
120 45.6 39.4 59.2





#74

1,2,4-Trimethylbenzene

Concen: 4.409 ppbv

RT: 16.095 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL040821.D

Acq: 8 Nov 2023 21:54

Instrument :

MSVOA_L

ClientSampleId :

SH-IA-3

Tgt Ion:105 Resp: 1087524

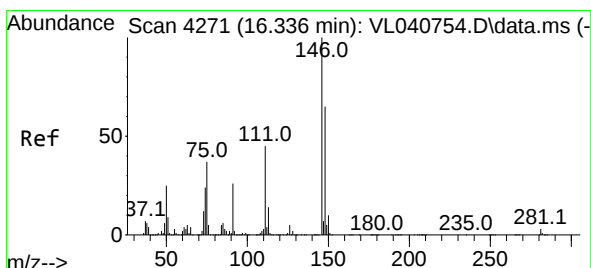
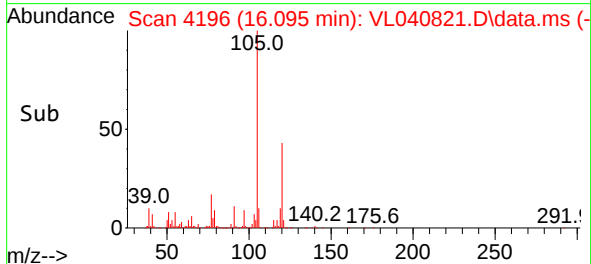
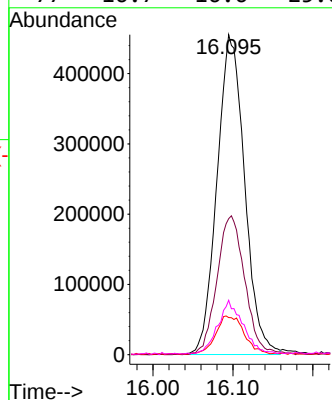
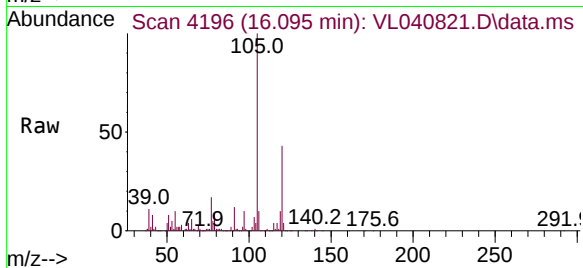
Ion Ratio Lower Upper

105 100

120 42.5 39.4 59.2

91 11.5 38.6 58.0#

77 16.7 16.6 25.0



#75

1,3-Dichlorobenzene

Concen: 0.035 ppbv

RT: 16.329 min Scan# 4269

Delta R.T. 0.010 min

Lab File: VL040821.D

Acq: 8 Nov 2023 21:54

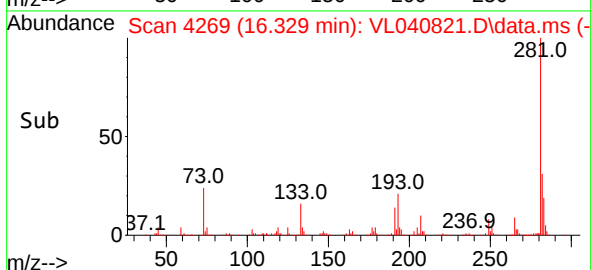
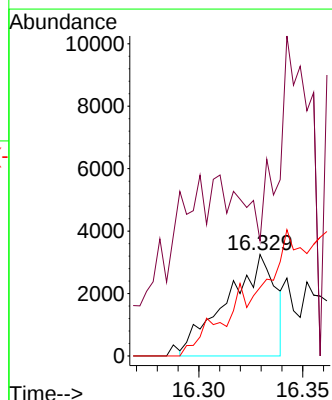
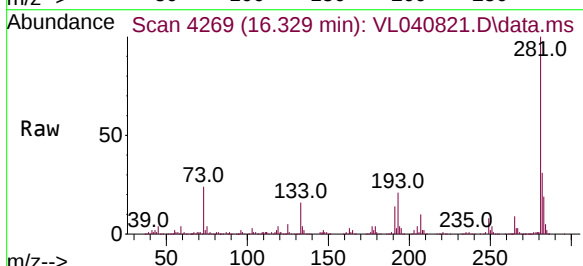
Tgt Ion:146 Resp: 5304

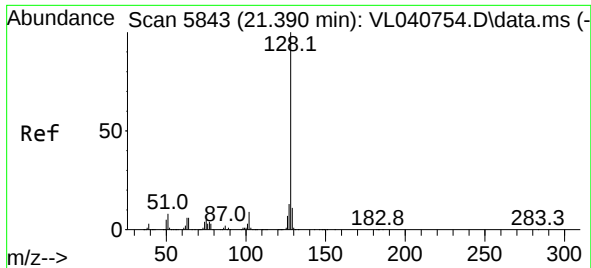
Ion Ratio Lower Upper

146 100

111 267.1 22.6 67.7#

148 0.0 32.4 97.0#





#79
Naphthalene
Concen: 0.030 ppbv
RT: 21.378 min Scan# 51
Delta R.T. 0.006 min
Lab File: VL040821.D
Acq: 8 Nov 2023 21:54

Instrument :
MSVOA_L
ClientSampleId :
SH-IA-3

Tgt Ion:128 Resp: 6022
Ion Ratio Lower Upper
128 100
127 17.5 10.6 15.8#
129 0.9 9.0 13.4#

