

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030122\
 Data File : VL038471.D
 Acq On : 2 Mar 2022 4:14
 Operator : SY/AP
 Sample : N1723-04 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 FSG4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/02/2022
 Supervised By :Mahesh Dadoda 03/02/2022

Quant Time: Mar 02 04:58:52 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Feb 22 2022

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

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

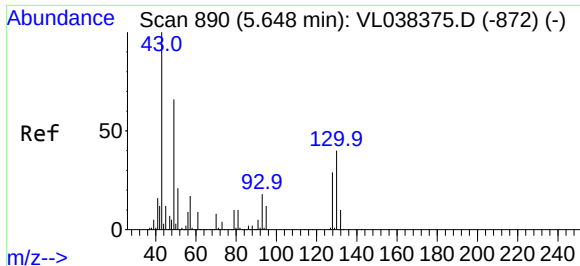
Internal Standards						
1) Bromochloromethane	5.668	49	885736	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.176	114	2254928	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.082	117	2005090	10.000	ppbv	# 0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.413	95	1610549	9.708	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.060	85	23096	0.165	ppbv #	88
4) Chloromethane	3.150	50	15155	0.279	ppbv	99
9) Propene	3.028	41	100302	1.942	ppbv	84
10) Heptane	8.121	43	212213	1.688	ppbv	99
11) Trichlorofluoromethane	3.957	101	13074	0.097	ppbv	99
13) Ethanol	3.610	45	335713	65.140	ppbv	90
15) Acetone	3.851	43	3029464	40.220	ppbv	98
17) tert-Butyl alcohol	4.301	59	92446	1.230	ppbv #	91
19) Isopropyl Alcohol	3.973	45	57887m	1.327	ppbv	
20) Methylene Chloride	4.350	84	680916	18.245	ppbv	96
26) Hexane	5.690	57	1309711	14.292	ppbv #	42
27) Carbon Disulfide	4.555	76	47980	0.471	ppbv #	80
30) Cyclohexane	7.131	84	66055	0.881	ppbv	95
34) 2-Butanone	5.250	43	148912	2.100	ppbv	92
36) Benzene	6.890	78	504897	2.543	ppbv	96
44) 2,2,4-Trimethylpentane	7.870	57	199862	0.586	ppbv #	74
53) Toluene	9.806	91	1840559	8.540	ppbv	99
58) Ethyl Benzene	12.709	91	199000	0.726	ppbv	98
59) m/p-Xylene	12.963	91	432216	1.835	ppbv	91
60) o-Xylene	13.690	91	117040	0.526	ppbv	97
61) Styrene	13.529	104	27235m	0.265	ppbv	
62) Isopropylbenzene	14.667	105	2555257	8.553	ppbv	99
74) 1,2,4-Trimethylbenzene	16.757	105	54390m	0.231	ppbv	

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

Manual Integrations

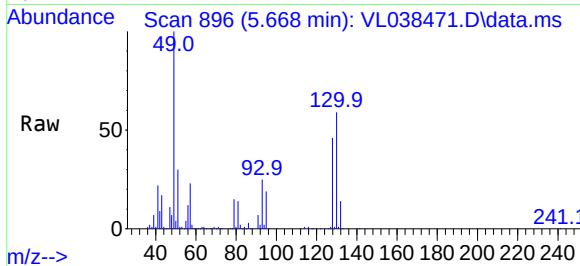
Quant Time: Mar 02 04:58:52 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.668 min Scan# 89
Delta R.T. 0.019 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14

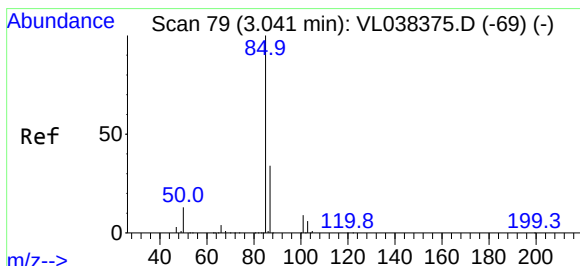
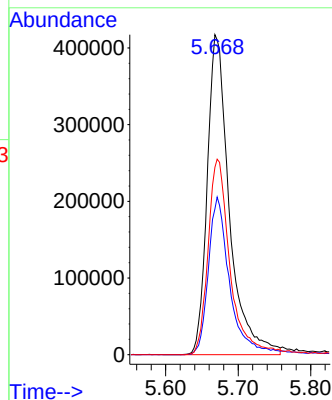
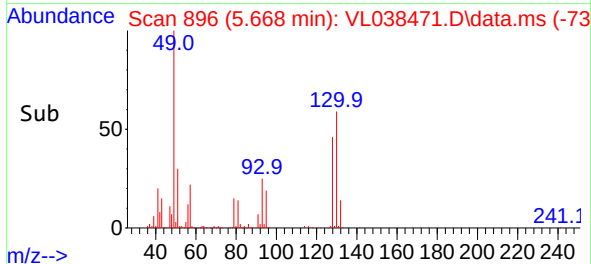
Instrument :
MSVOA_L
ClientSampleId :
FSG4



Tgt Ion: 49 Resp: 885730
Ion Ratio Lower Upper
49 100
128 48.7 24.3 72.9
130 62.1 30.1 90.5

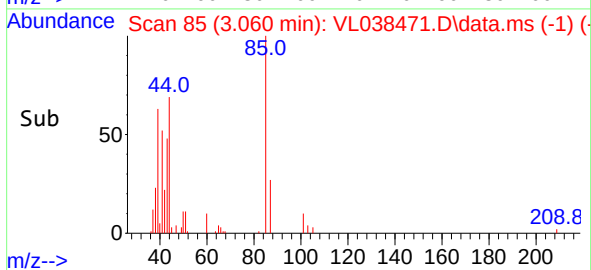
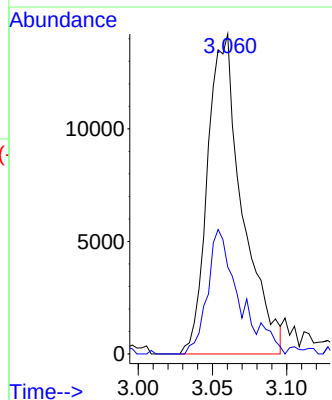
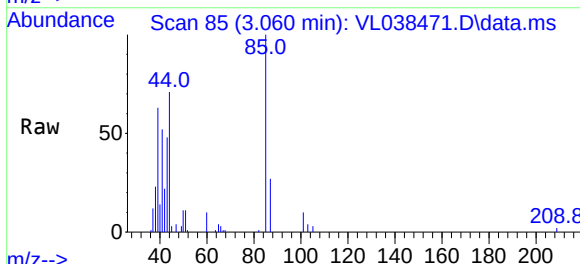
Manual Integrations
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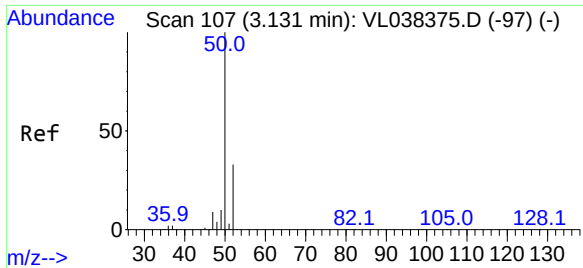
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#2
Dichlorodifluoromethane
Concen: 0.165 ppbv
RT: 3.060 min Scan# 85
Delta R.T. 0.020 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14

Tgt Ion: 85 Resp: 23096
Ion Ratio Lower Upper
85 100
87 27.2 27.4 41.0#





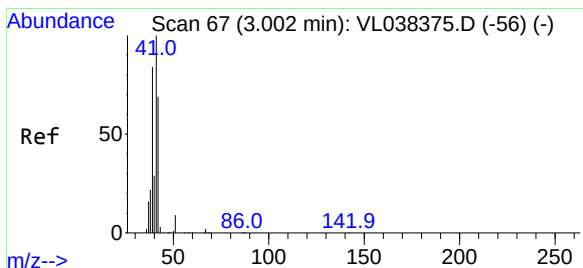
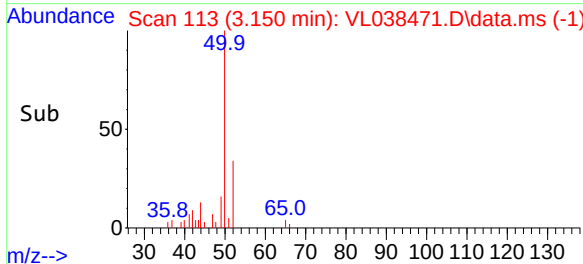
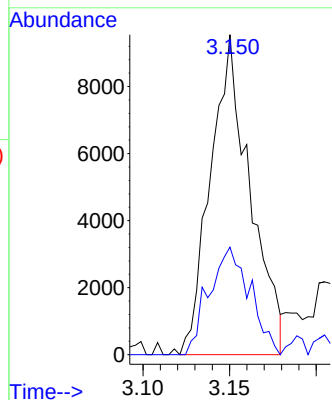
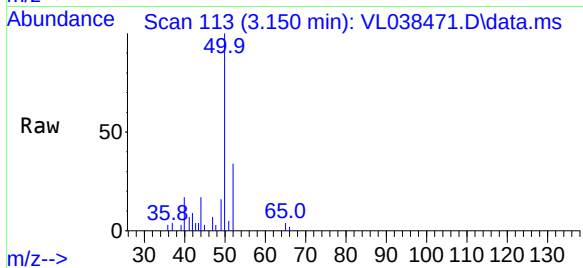
#4
Chloromethane
Concen: 0.279 ppbv
RT: 3.150 min Scan# 113
Delta R.T. 0.020 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14

Instrument :
MSVOA_L
ClientSampleId :
FSG4

Tgt Ion: 50 Resp: 1515
Ion Ratio Lower Upper
50 100
52 33.6 26.5 39.7

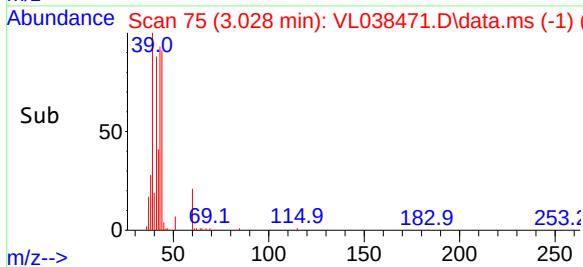
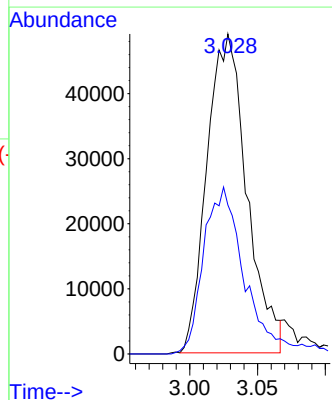
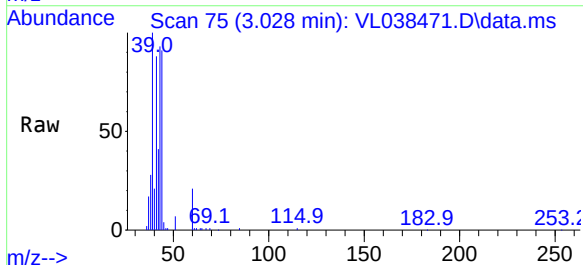
Manual Integrations
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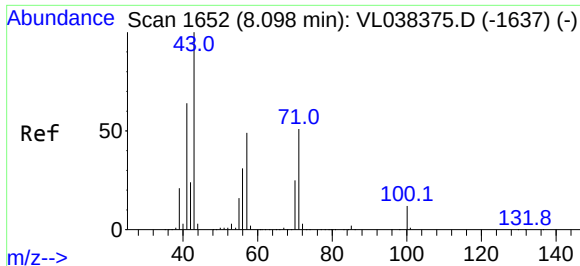
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#9
Propene
Concen: 1.942 ppbv
RT: 3.028 min Scan# 75
Delta R.T. 0.026 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14

Tgt Ion: 41 Resp: 100302
Ion Ratio Lower Upper
41 100
42 55.1 54.6 82.0





#10

Heptane

Concen: 1.688 ppbv

RT: 8.121 min Scan# 1

Delta R.T. 0.023 min

Lab File: VL038471.D

Acq: 2 Mar 2022 4:14

Instrument :

MSVOA_L

ClientSampleId :

FSG4

Tgt Ion: 43 Resp: 21221

Ion Ratio Lower Upper

43 100

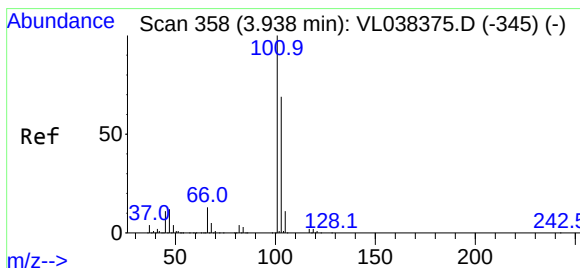
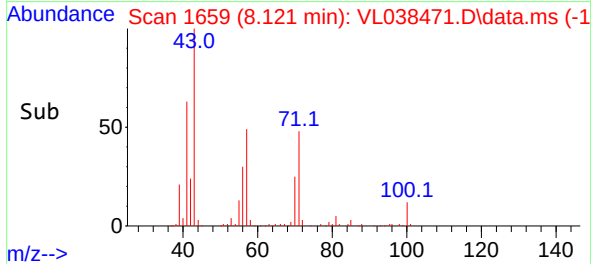
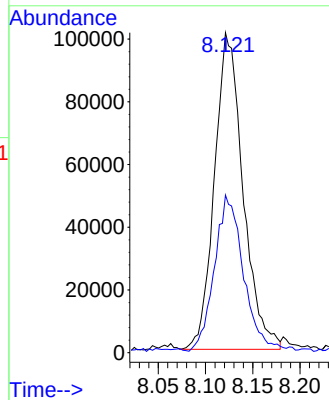
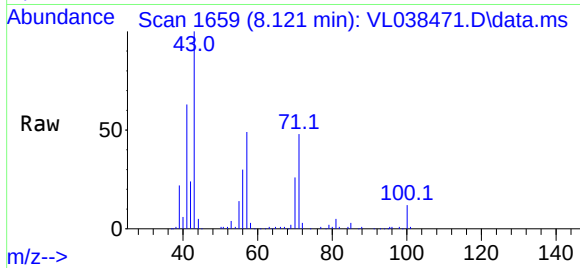
57 50.4 39.8 59.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/02/2022

Supervised By :Mahesh Dadoda 03/02/2022



#11

Trichlorofluoromethane

Concen: 0.097 ppbv

RT: 3.957 min Scan# 364

Delta R.T. 0.019 min

Lab File: VL038471.D

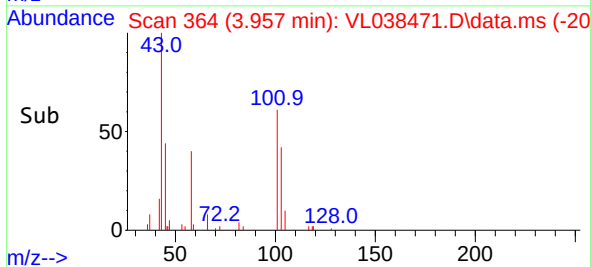
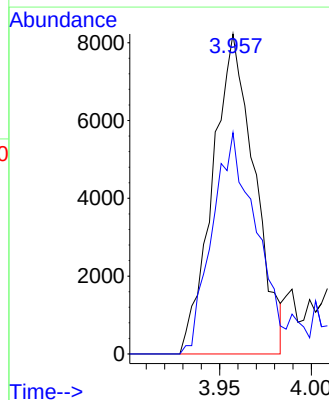
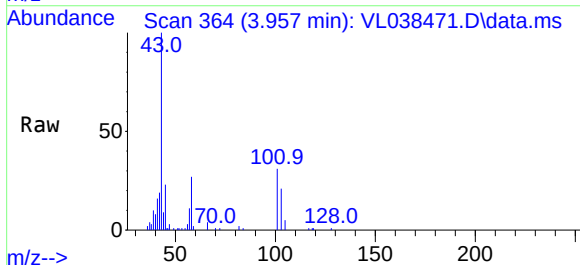
Acq: 2 Mar 2022 4:14

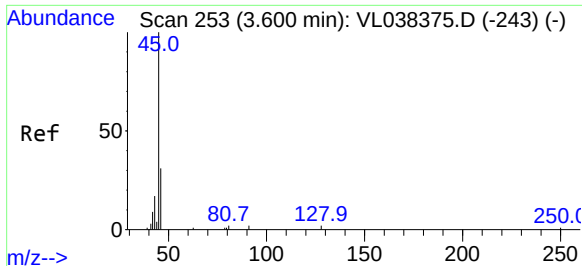
Tgt Ion:101 Resp: 13074

Ion Ratio Lower Upper

101 100

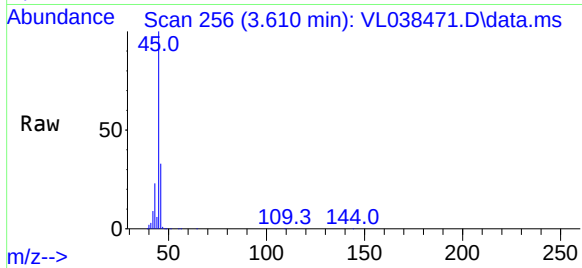
103 69.2 55.0 82.4





#13
Ethanol
Concen: 65.140 ppbv
RT: 3.610 min Scan# 211
Delta R.T. 0.010 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14

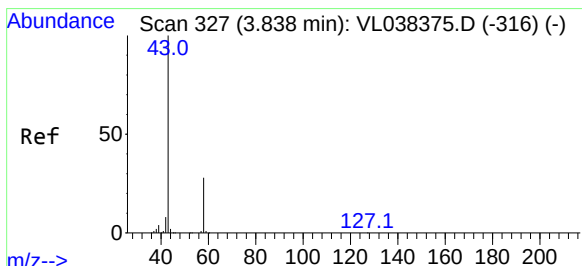
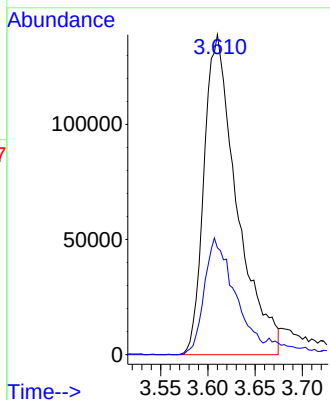
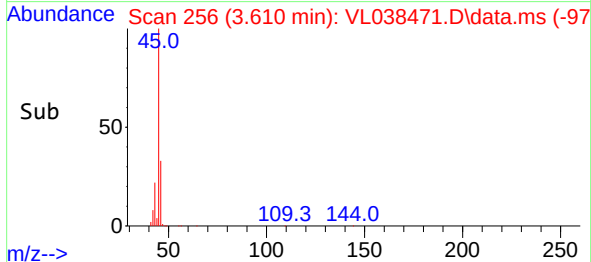
Instrument :
MSVOA_L
ClientSampleId :
FSG4



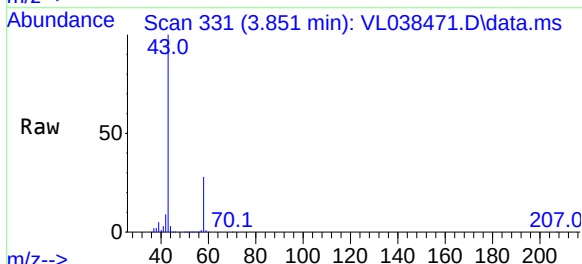
Tgt Ion: 45 Resp: 335711
Ion Ratio Lower Upper
45 100
46 38.7 18.2 72.8

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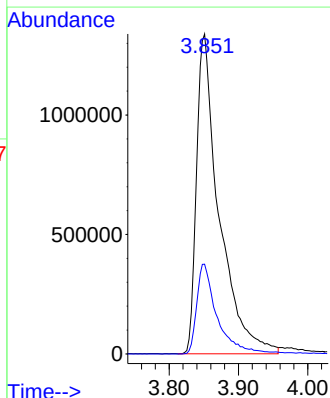
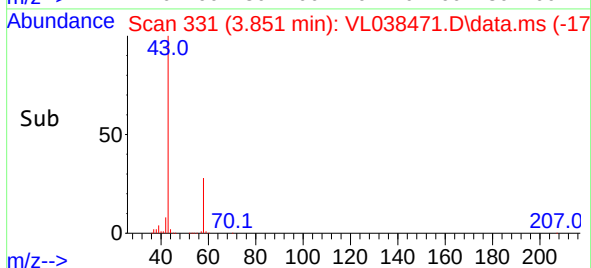
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

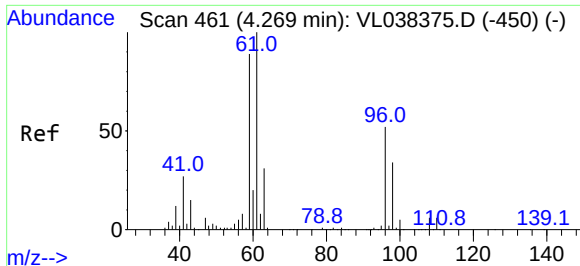


#15
Acetone
Concen: 40.220 ppbv
RT: 3.851 min Scan# 331
Delta R.T. 0.013 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14



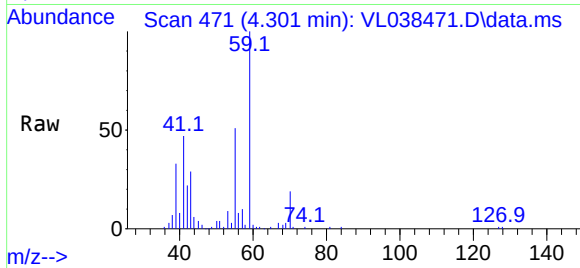
Tgt Ion: 43 Resp: 3029464
Ion Ratio Lower Upper
43 100
58 26.0 21.7 32.5





#17
tert-Butyl alcohol
Concen: 1.230 ppbv
RT: 4.301 min Scan# 41
Delta R.T. 0.032 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14

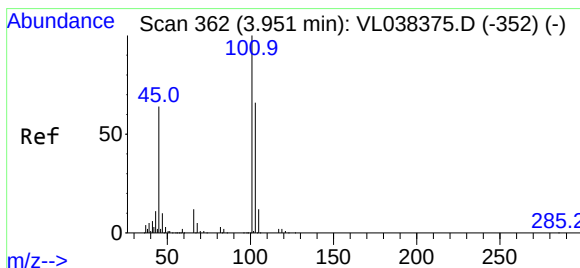
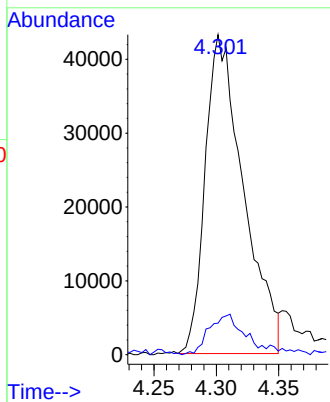
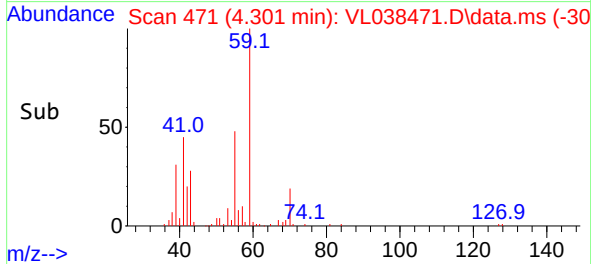
Instrument :
MSVOA_L
ClientSampleId :
FSG4



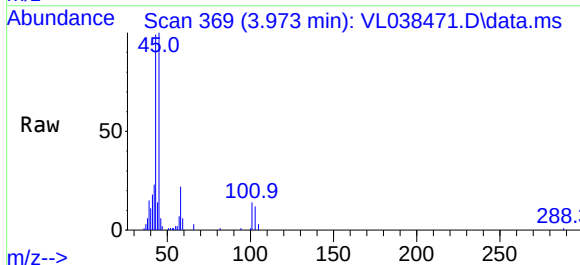
Tgt Ion: 59 Resp: 92440
Ion Ratio Lower Upper
59 100
57 13.8 8.4 12.6

Manual Integrations
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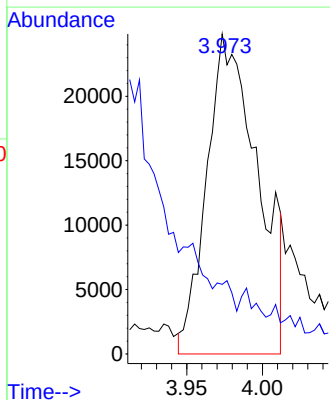
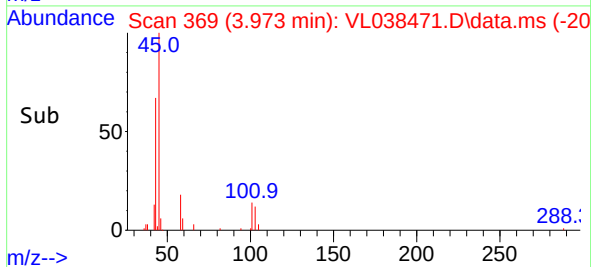
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

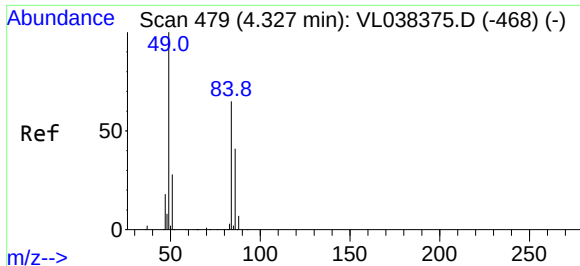


#19
Isopropyl Alcohol
Concen: 1.327 ppbv m
RT: 3.973 min Scan# 369
Delta R.T. 0.023 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14



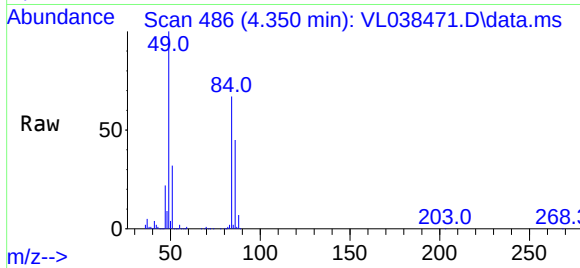
Tgt Ion: 45 Resp: 57887
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.8





#20
Methylene Chloride
Concen: 18.245 ppbv
RT: 4.350 min Scan# 41
Delta R.T. 0.023 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14

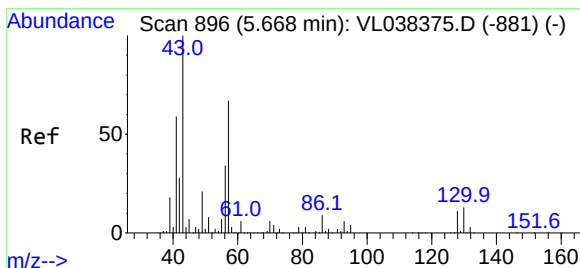
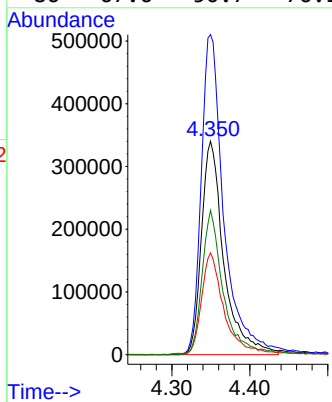
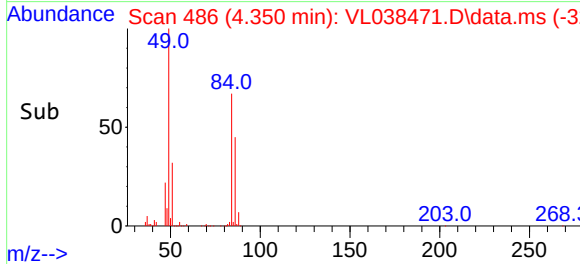
Instrument :
MSVOA_L
ClientSampleId :
FSG4



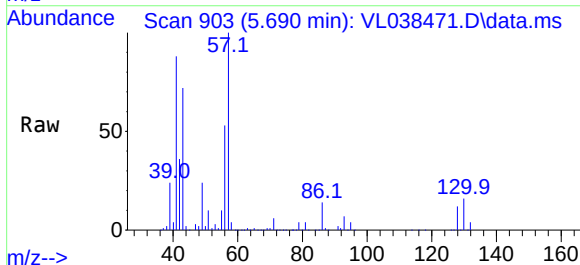
Tgt Ion: 84 Resp: 680910
Ion Ratio Lower Upper
84 100
49 149.6 122.4 183.6
51 47.0 33.3 49.9
86 67.6 50.7 76.1

Manual Integrations
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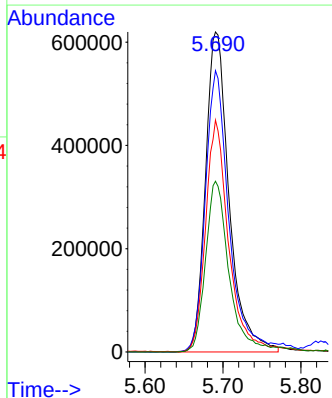
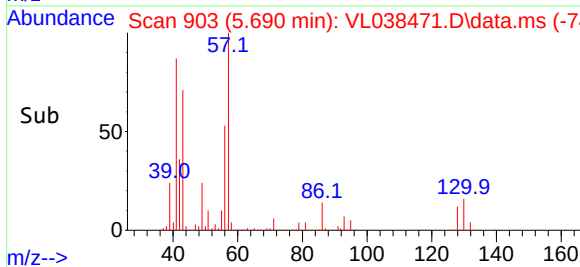
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

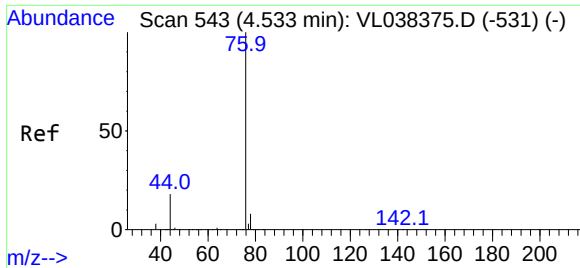


#26
Hexane
Concen: 14.292 ppbv
RT: 5.690 min Scan# 903
Delta R.T. 0.023 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14



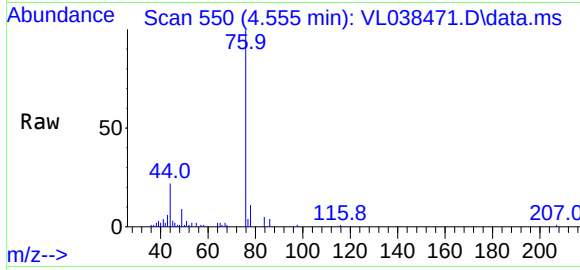
Tgt Ion: 57 Resp: 1309711
Ion Ratio Lower Upper
57 100
41 89.5 73.1 109.7
43 71.5 181.0 271.4#
56 53.9 43.4 65.0





#27
Carbon Disulfide
Concen: 0.471 ppbv
RT: 4.555 min Scan# 51
Delta R.T. 0.023 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14

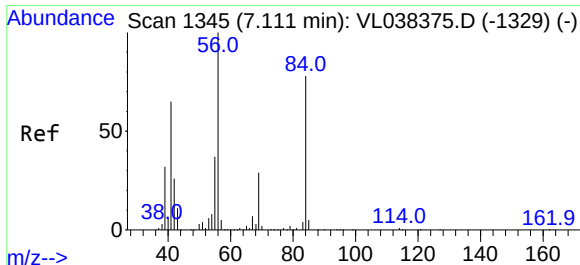
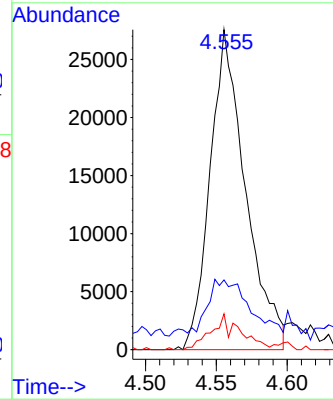
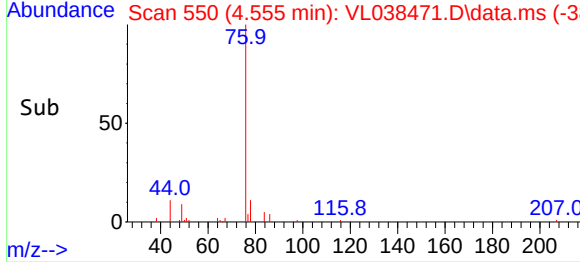
Instrument :
MSVOA_L
ClientSampleId :
FSG4



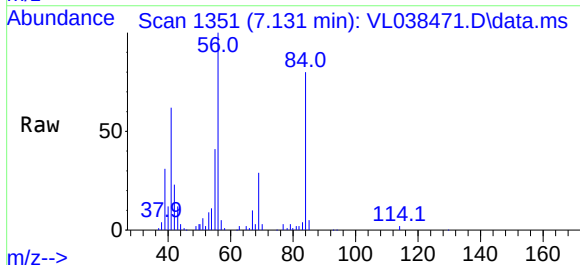
Tgt Ion: 76 Resp: 47980
Ion Ratio Lower Upper
76 100
44 31.0 14.2 21.2
78 10.2 7.8 11.6

Manual Integrations
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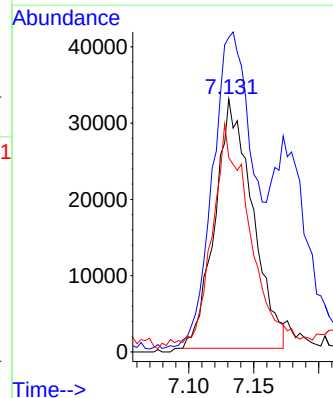
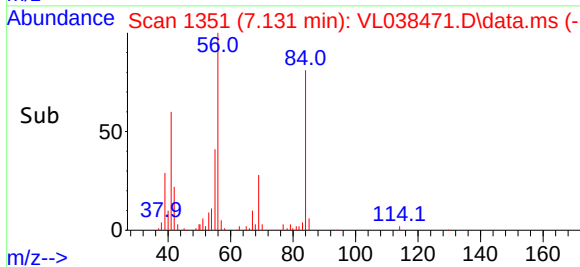
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

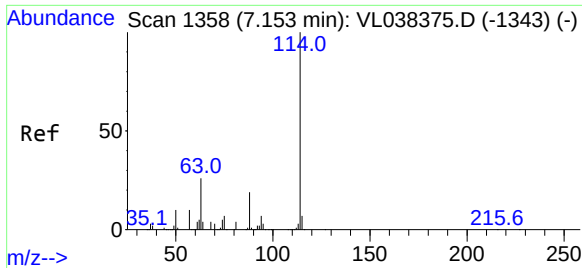


#30
Cyclohexane
Concen: 0.881 ppbv
RT: 7.131 min Scan# 1351
Delta R.T. 0.019 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14



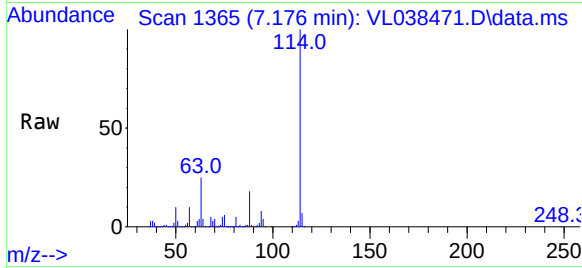
Tgt Ion: 84 Resp: 66055
Ion Ratio Lower Upper
84 100
56 134.3 116.2 174.4
41 93.0 74.3 111.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.176 min Scan# 114
Delta R.T. 0.023 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14

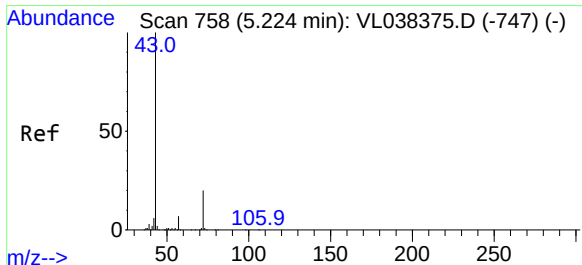
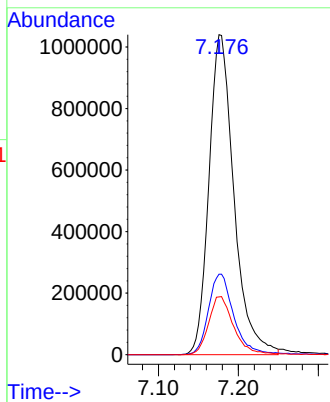
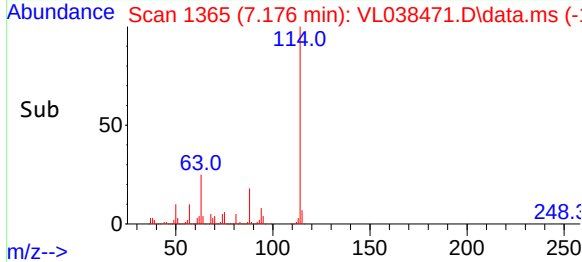
Instrument :
MSVOA_L
ClientSampleId :
FSG4



Tgt Ion:114 Resp: 2254928
Ion Ratio Lower Upper
114 100
63 25.9 22.2 33.2
88 18.5 15.2 22.8

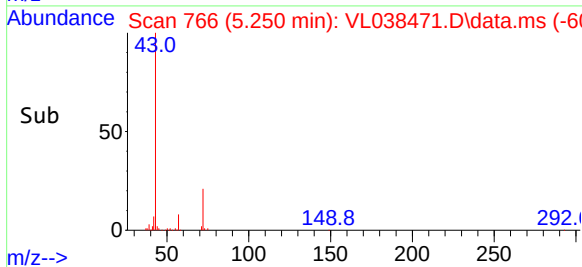
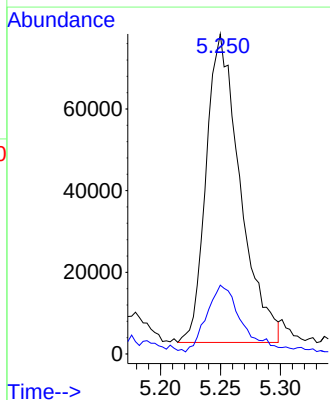
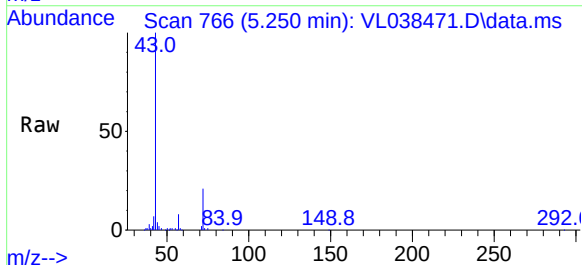
Manual Integrations
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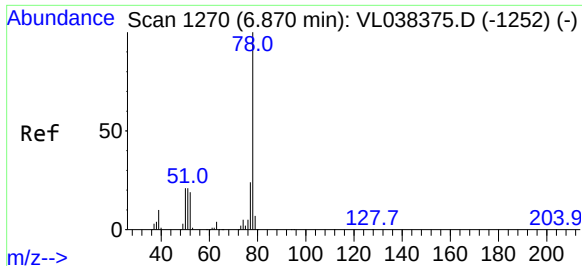
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#34
2-Butanone
Concen: 2.100 ppbv
RT: 5.250 min Scan# 766
Delta R.T. 0.026 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14

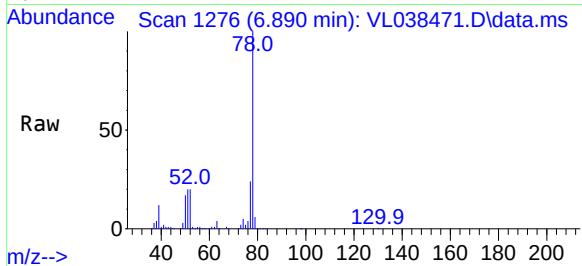
Tgt Ion: 43 Resp: 148912
Ion Ratio Lower Upper
43 100
72 25.5 17.4 26.2





#36
Benzene
Concen: 2.543 ppbv
RT: 6.890 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14

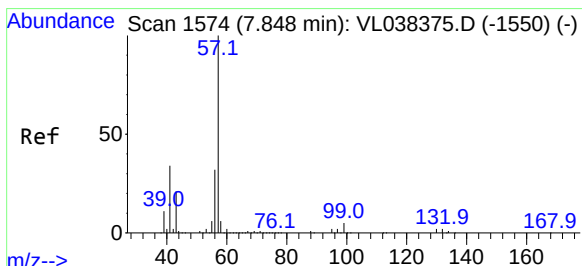
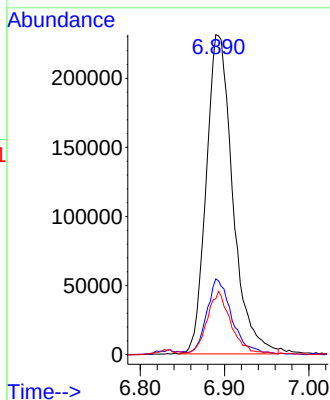
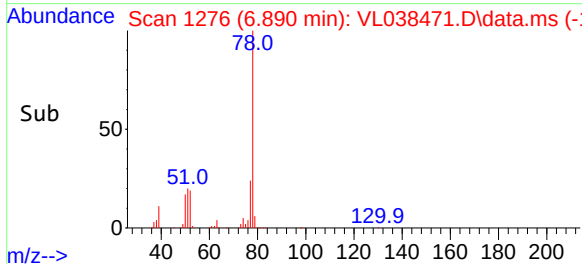
Instrument :
MSVOA_L
ClientSampleId :
FSG4



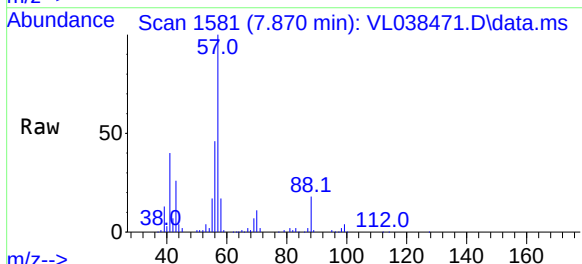
Tgt Ion: 78 Resp: 50489
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.6
50 17.2 16.6 24.8

Manual Integrations
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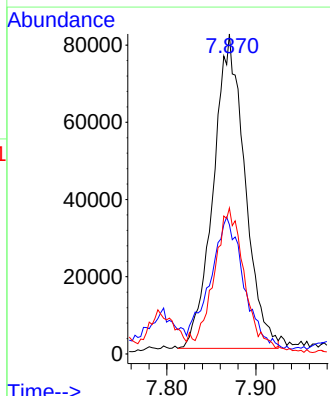
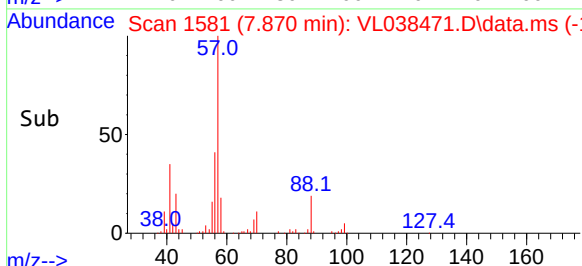
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

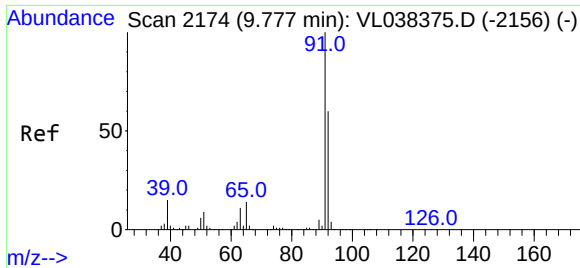


#44
2,2,4-Trimethylpentane
Concen: 0.586 ppbv
RT: 7.870 min Scan# 1581
Delta R.T. 0.023 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14



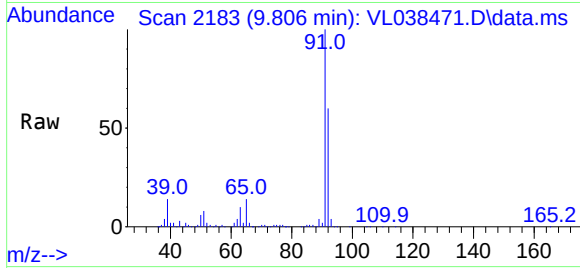
Tgt Ion: 57 Resp: 199862
Ion Ratio Lower Upper
57 100
41 49.5 26.6 39.8#
56 44.3 25.0 37.6#





#53
Toluene
Concen: 8.540 ppbv
RT: 9.806 min Scan# 2174
Delta R.T. 0.029 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14

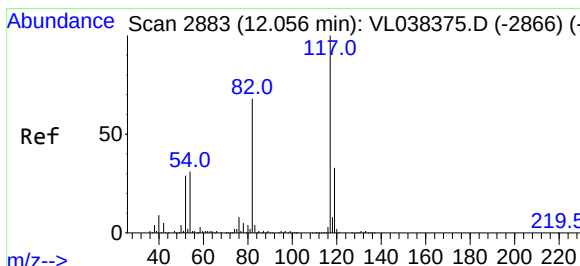
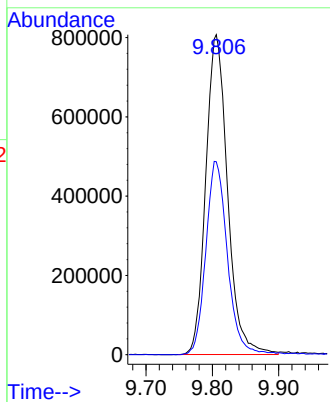
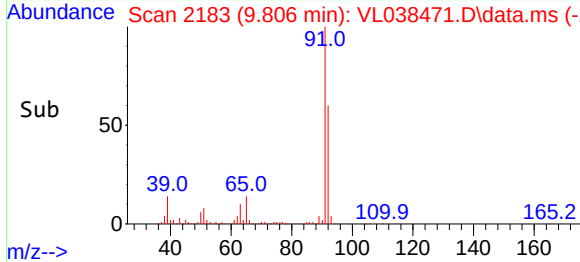
Instrument :
MSVOA_L
ClientSampleId :
FSG4



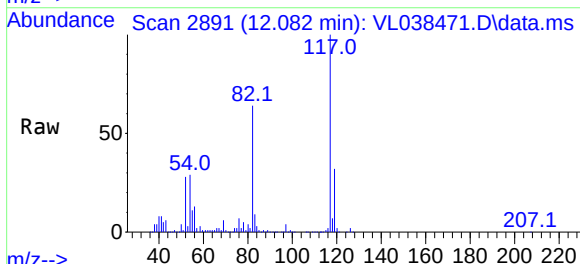
Tgt Ion: 91 Resp: 184055
Ion Ratio Lower Upper
91 100
92 60.8 48.2 72.4

Manual Integrations
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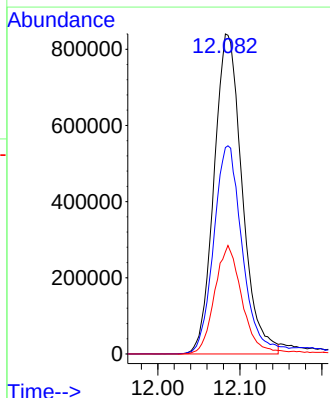
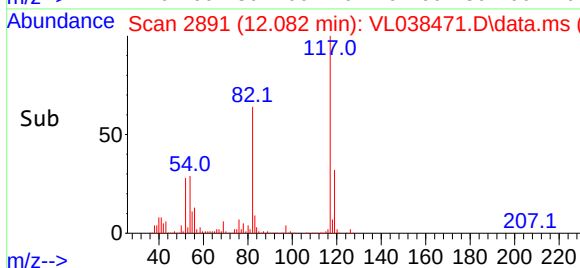
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

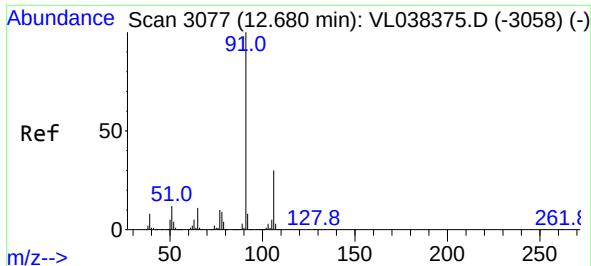


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.082 min Scan# 2891
Delta R.T. 0.026 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14



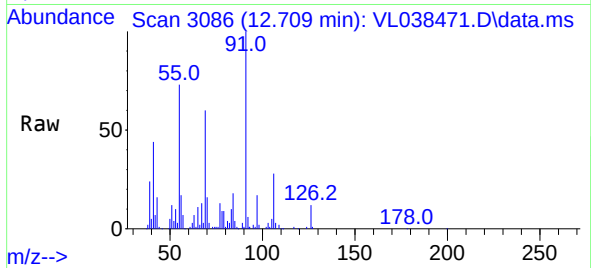
Tgt Ion:117 Resp: 2005090
Ion Ratio Lower Upper
117 100
82 69.7 54.9 82.3
119 34.1 46.1 69.1#





#58
Ethyl Benzene
Concen: 0.726 ppbv
RT: 12.709 min Scan# 3077
Delta R.T. 0.029 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14

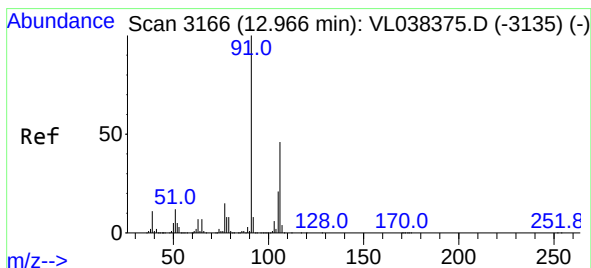
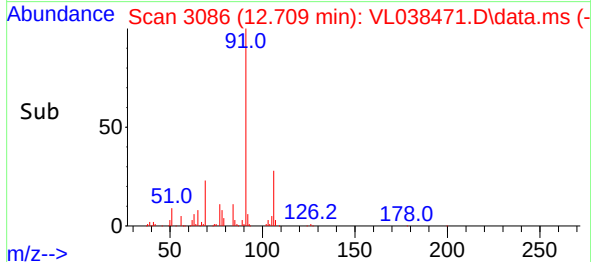
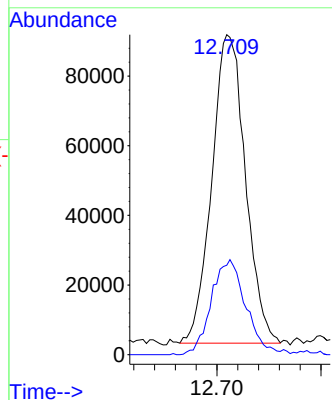
Instrument :
MSVOA_L
ClientSampleId :
FSG4



Tgt Ion: 91 Resp: 199000
Ion Ratio Lower Upper
91 100
106 29.0 24.0 36.0

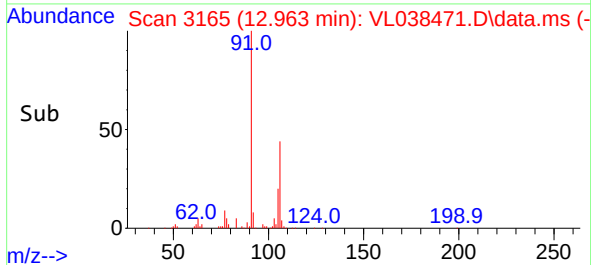
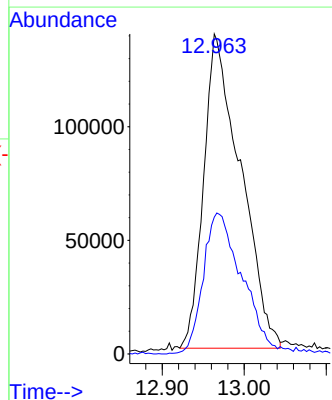
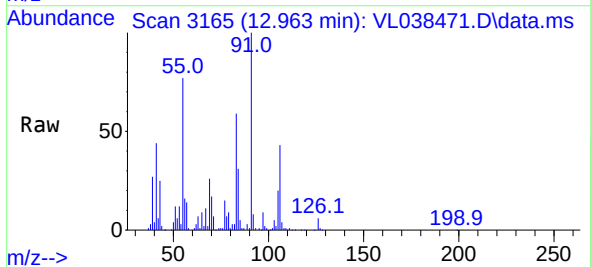
Manual Integrations
APPROVED

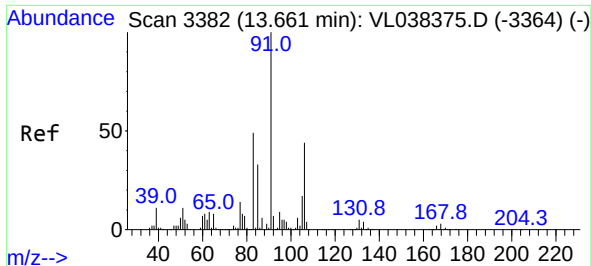
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#59
m/p-Xylene
Concen: 1.835 ppbv
RT: 12.963 min Scan# 3165
Delta R.T. -0.003 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14

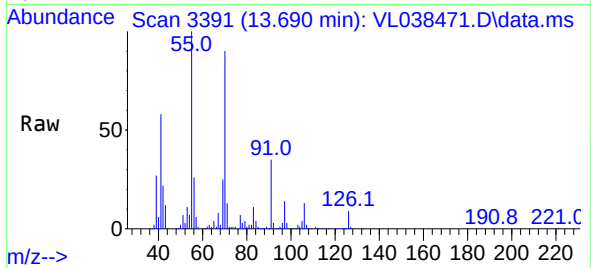
Tgt Ion: 91 Resp: 432216
Ion Ratio Lower Upper
91 100
106 48.8 34.4 51.6





#60
o-Xylene
Concen: 0.526 ppbv
RT: 13.690 min Scan# 3391
Delta R.T. 0.029 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14

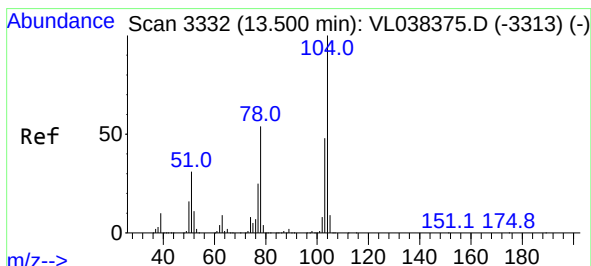
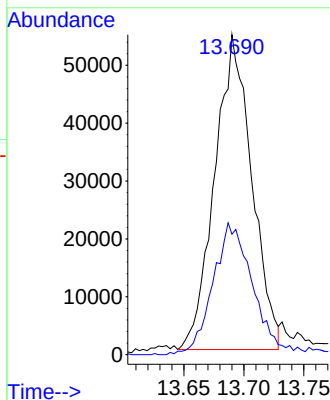
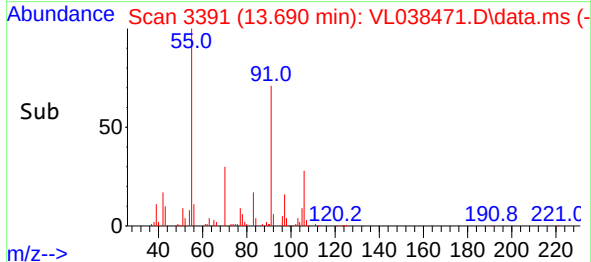
Instrument :
MSVOA_L
ClientSampleId :
FSG4



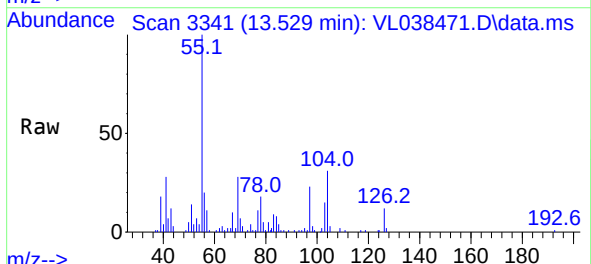
Tgt Ion: 91 Resp: 117040
Ion Ratio Lower Upper
91 100
106 45.5 21.9 65.5

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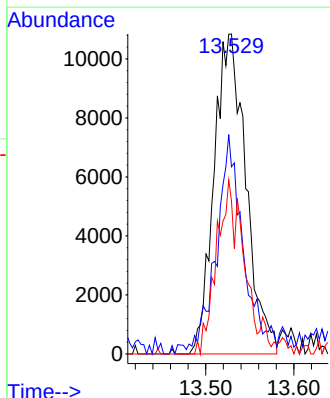
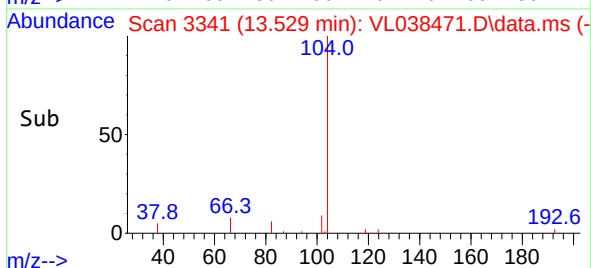
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

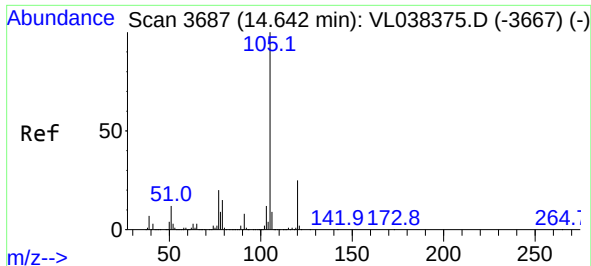


#61
Styrene
Concen: 0.265 ppbv m
RT: 13.529 min Scan# 3341
Delta R.T. 0.029 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14



Tgt Ion:104 Resp: 27235
Ion Ratio Lower Upper
104 100
78 59.1 44.2 66.4
103 49.4 38.4 57.6





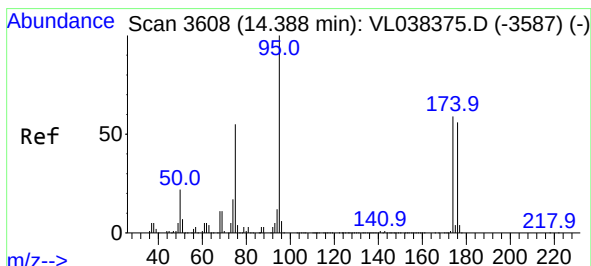
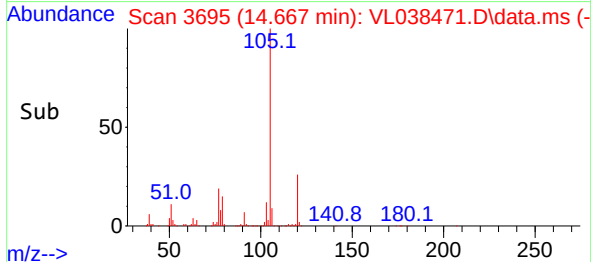
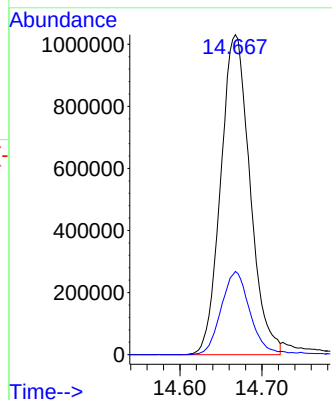
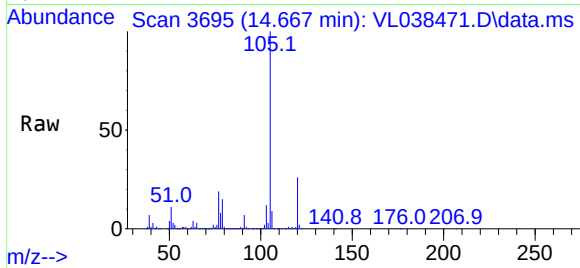
#62
Isopropylbenzene
Concen: 8.553 ppbv
RT: 14.667 min Scan# 301
Delta R.T. 0.026 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14

Instrument :
MSVOA_L
ClientSampleId :
FSG4

Tgt Ion:105 Resp: 255525
Ion Ratio Lower Upper
105 100
120 26.3 20.6 30.8

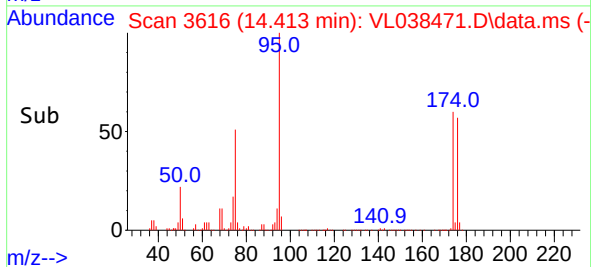
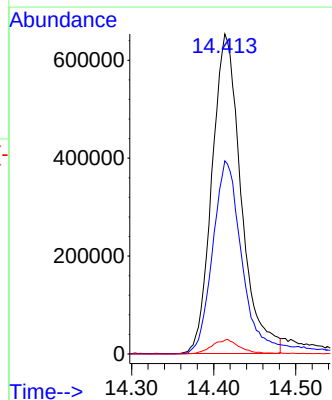
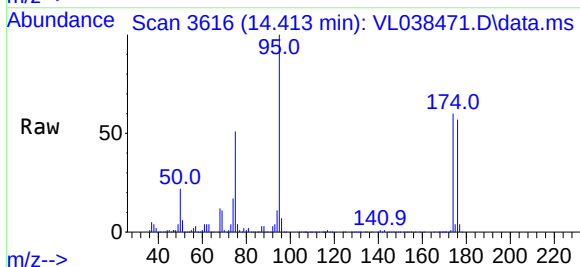
Manual Integrations
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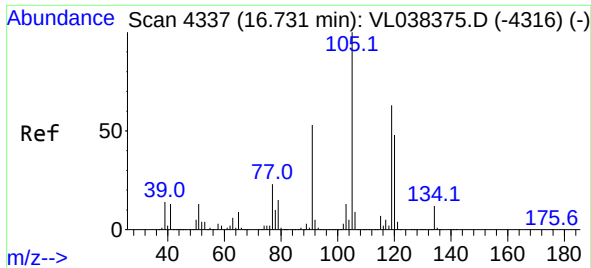
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.708 ppbv
RT: 14.413 min Scan# 3616
Delta R.T. 0.026 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14

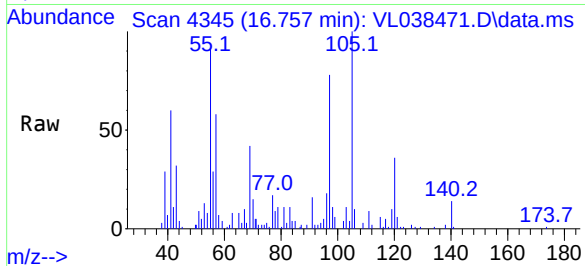
Tgt Ion: 95 Resp: 1610549
Ion Ratio Lower Upper
95 100
174 64.3 49.0 73.4
175 4.5 3.6 5.4





#74
 1,2,4-Trimethylbenzene
 Concen: 0.231 ppbv m
 RT: 16.757 min Scan# 41
 Delta R.T. 0.026 min
 Lab File: VL038471.D
 Acq: 2 Mar 2022 4:14

Instrument :
 MSVOA_L
 ClientSampleId :
 FSG4



Tgt Ion:	105	Resp:	54390
Ion Ratio	Lower	Upper	
105	100		
120	36.5	38.2	57.4
91	16.3	42.7	64.1
77	16.9	18.5	27.7

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/02/2022
 Supervised By :Mahesh Dadoda 03/02/2022

