

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
 Data File : VL041137.D
 Acq On : 4 Apr 2024 22:53
 Operator : SY/MD
 Sample : P1953-04 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024
 Supervised By :Mahesh Dadoda 04/05/2024

Quant Time: Apr 05 05:14:20 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Apr 05 04:49:46 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	1436651	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.677	114	3929266	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.490	117	3604914	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	2781925	9.597	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.735	85	27759	0.113	ppbv	93
9) Propene	2.703	41	50756	0.721	ppbv	91
13) Ethanol	3.256	45	176532	10.544	ppbv	97
15) Acetone	3.478	43	1115422	7.170	ppbv #	80
17) tert-Butyl alcohol	3.906	59	47190	0.335	ppbv #	88
20) Methylene Chloride	3.947	84	401816	6.263	ppbv	91
26) Hexane	5.233	57	168700	1.287	ppbv #	37
27) Carbon Disulfide	4.140	76	16888	0.105	ppbv #	67
34) 2-Butanone	4.799	43	2722298	16.373	ppbv	99
51) 2-Hexanone	9.581	43	478291	2.358	ppbv	94
52) Tetrachloroethene	10.642	164	2795m	0.030	ppbv	
53) Toluene	9.243	91	119409	0.393	ppbv	99
58) Ethyl Benzene	12.114	91	36183m	0.092	ppbv	
59) m/p-Xylene	12.371	91	101501m	0.285	ppbv	
60) o-Xylene	13.082	91	50710	0.150	ppbv	98
74) 1,2,4-Trimethylbenzene	16.133	105	109802	0.288	ppbv #	70

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

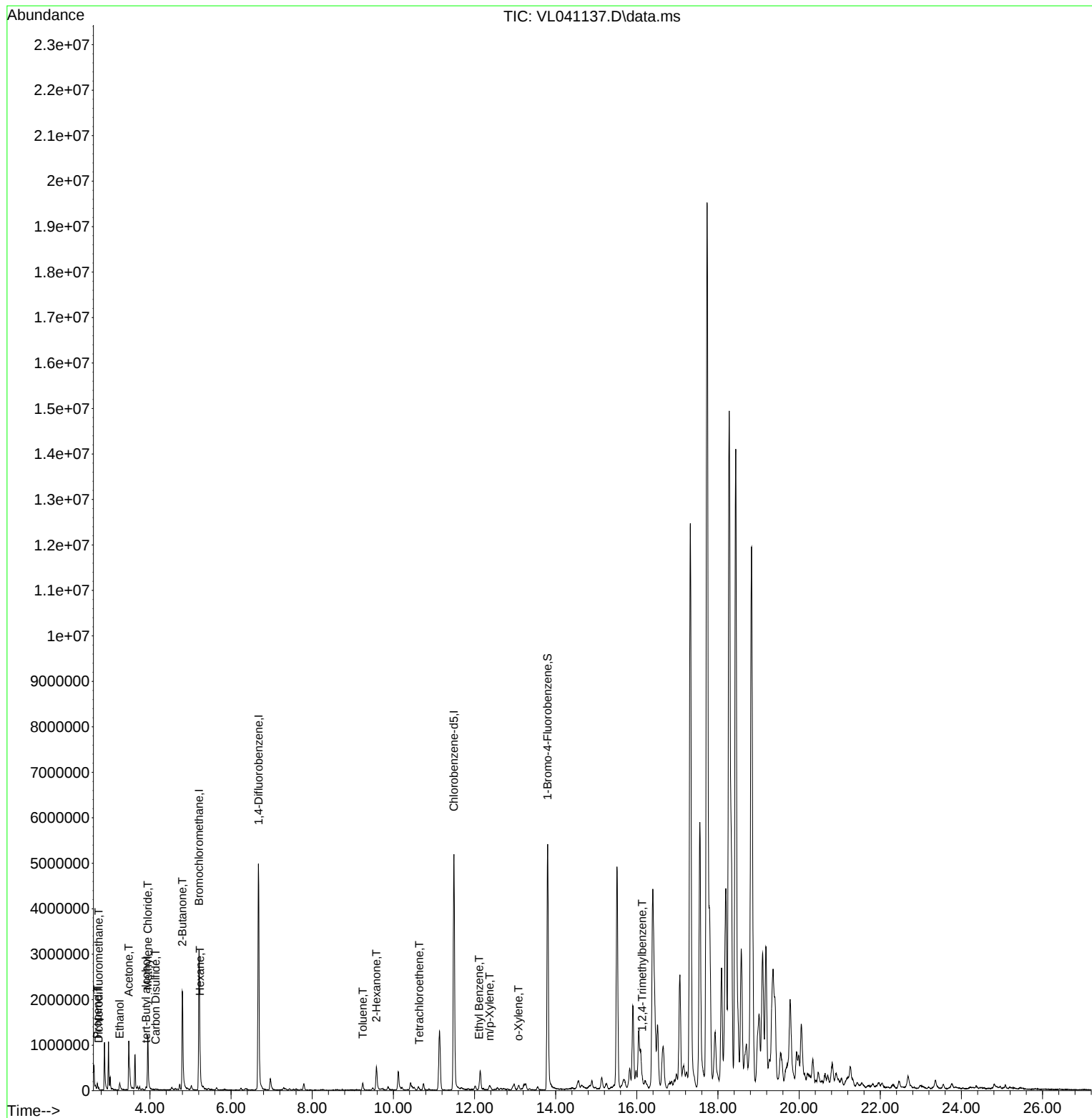
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
Data File : VL041137.D
Acq On : 4 Apr 2024 22:53
Operator : SY/MD
Sample : P1953-04 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

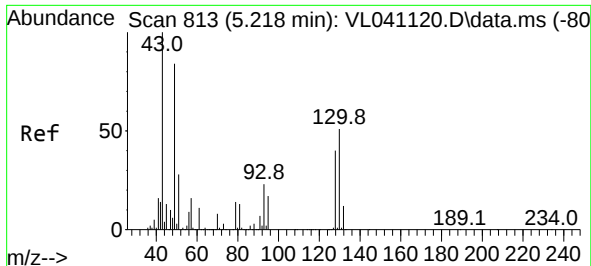
Instrument :
MSVOA_L
ClientSampleId :
SV4

Quant Time: Apr 05 05:14:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Apr 05 04:49:46 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

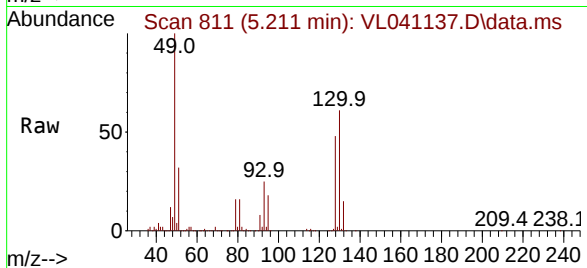
Reviewed By : Semsettin Yesilyurt 04/05/2024
Supervised By : Mahesh Dadoda 04/05/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. -0.007 min
Lab File: VL041137.D
Acq: 4 Apr 2024 22:53

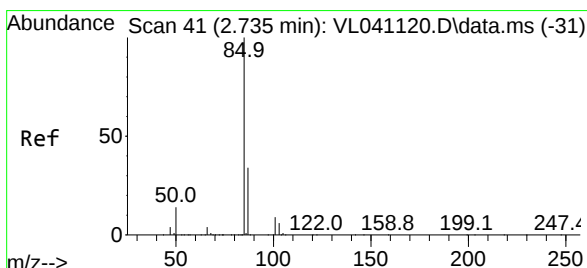
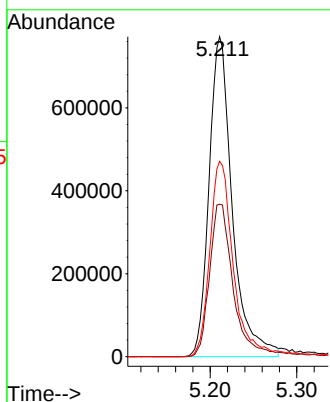
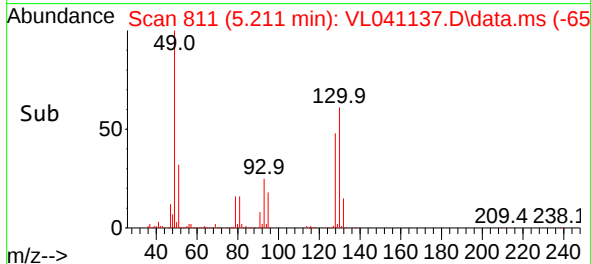
Instrument :
MSVOA_L
ClientSampleId :
SV4



Tgt Ion: 49 Resp: 143665
Ion Ratio Lower Upper
49 100
128 49.7 23.6 71.0
130 63.6 30.1 90.5

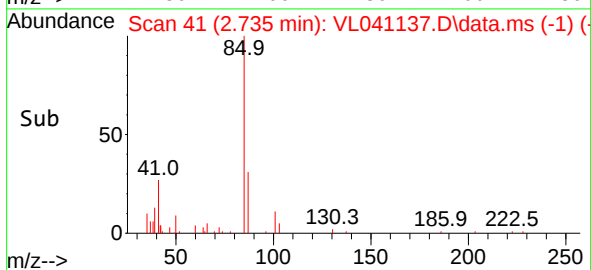
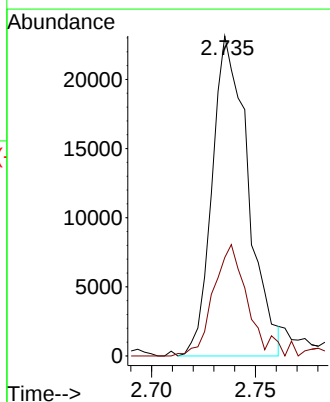
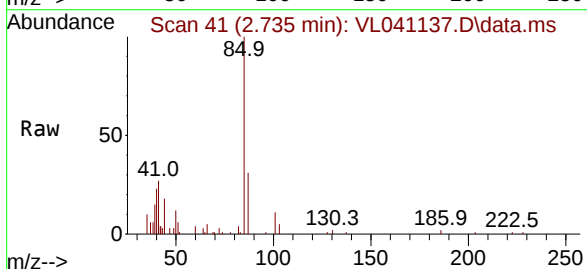
Manual Integrations
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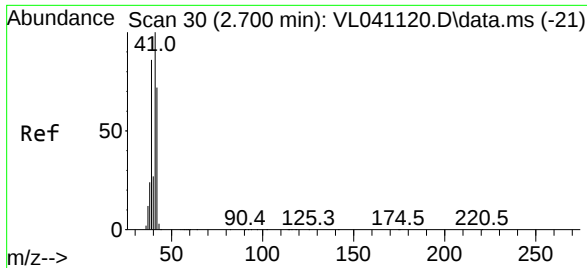
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#2
Dichlorodifluoromethane
Concen: 0.113 ppbv
RT: 2.735 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041137.D
Acq: 4 Apr 2024 22:53

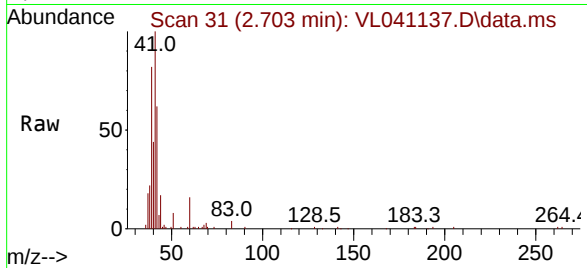
Tgt Ion: 85 Resp: 27759
Ion Ratio Lower Upper
85 100
87 30.0 27.0 40.6





#9
Propene
Concen: 0.721 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041137.D
Acq: 4 Apr 2024 22:53

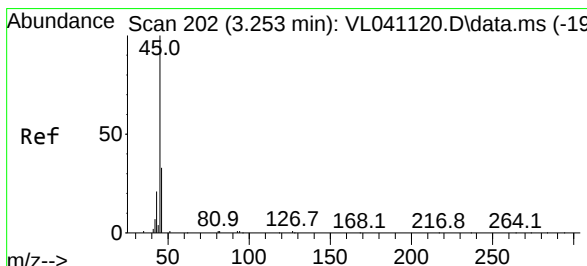
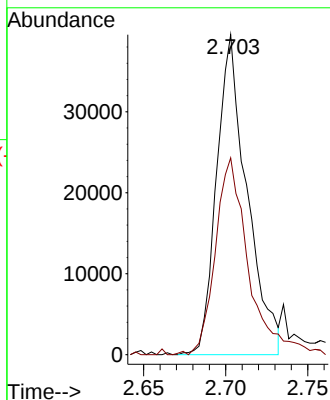
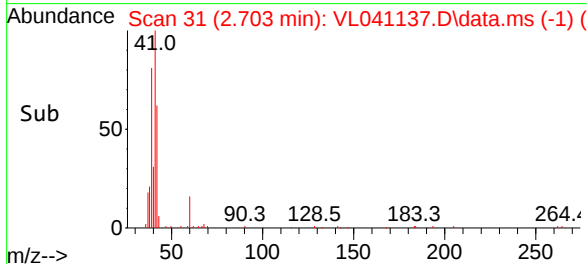
Instrument :
MSVOA_L
ClientSampleId :
SV4



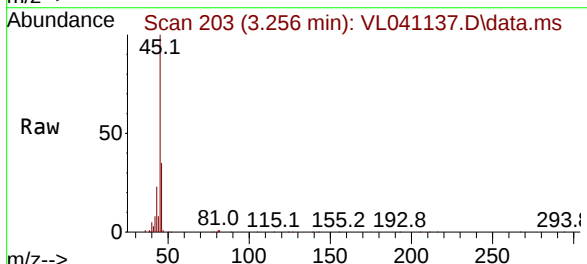
Tgt Ion: 41 Resp: 50750
Ion Ratio Lower Upper
41 100
42 67.2 60.1 90.1

Manual Integrations
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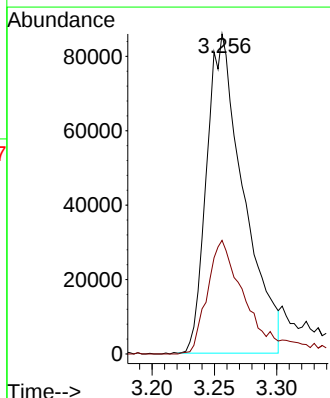
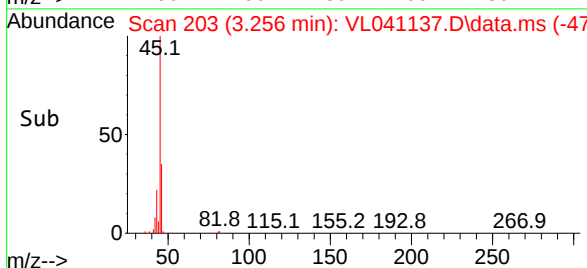
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024

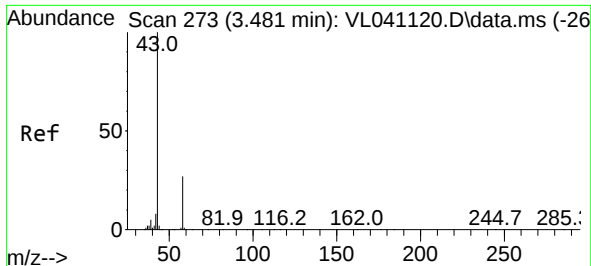


#13
Ethanol
Concen: 10.544 ppbv
RT: 3.256 min Scan# 203
Delta R.T. 0.003 min
Lab File: VL041137.D
Acq: 4 Apr 2024 22:53



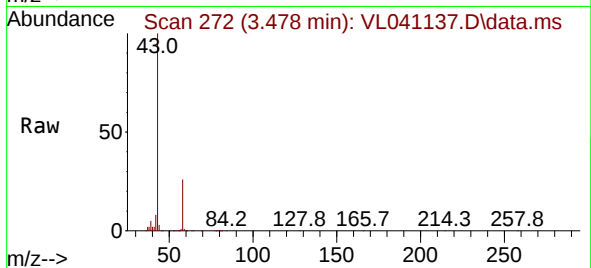
Tgt Ion: 45 Resp: 176532
Ion Ratio Lower Upper
45 100
46 38.9 15.0 59.8





#15
Acetone
Concen: 7.170 ppbv
RT: 3.478 min Scan# 211
Delta R.T. -0.003 min
Lab File: VL041137.D
Acq: 4 Apr 2024 22:53

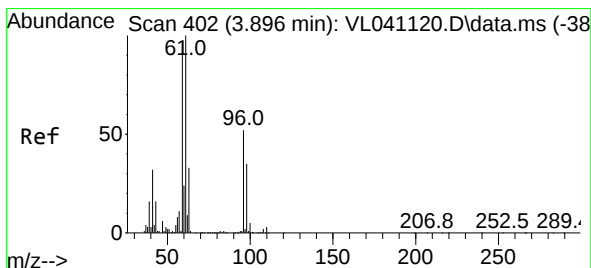
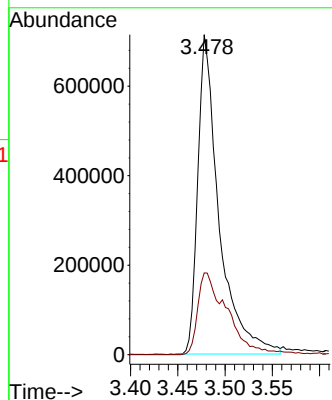
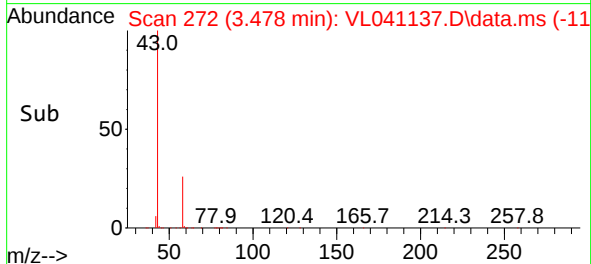
Instrument : MSVOA_L
ClientSampleId : SV4



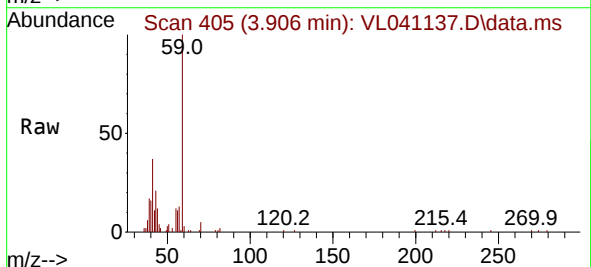
Tgt Ion: 43 Resp: 111542
Ion Ratio Lower Upper
43 100
58 36.5 21.1 31.7

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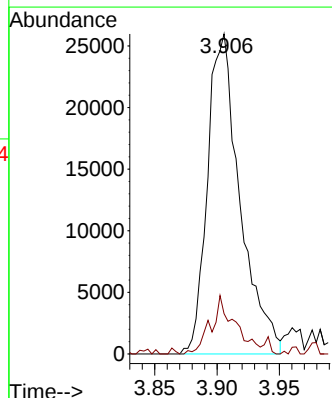
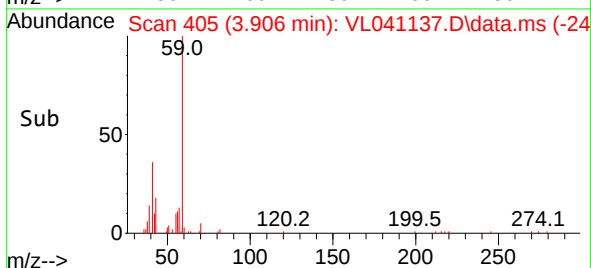
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024

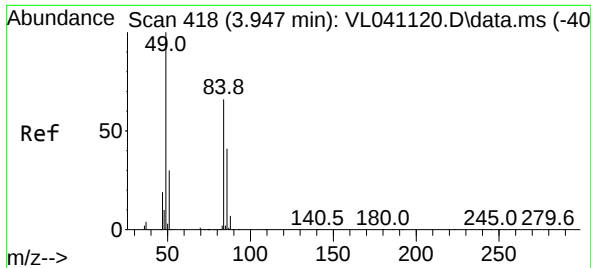


#17
tert-Butyl alcohol
Concen: 0.335 ppbv
RT: 3.906 min Scan# 405
Delta R.T. 0.009 min
Lab File: VL041137.D
Acq: 4 Apr 2024 22:53



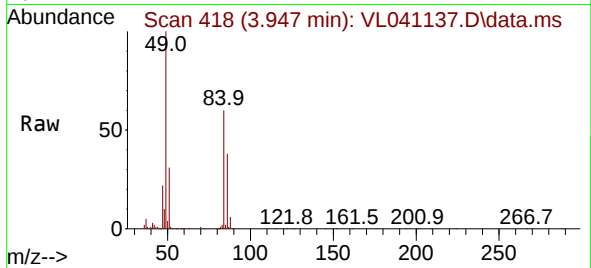
Tgt Ion: 59 Resp: 47190
Ion Ratio Lower Upper
59 100
57 15.4 8.7 13.1





#20
Methylene Chloride
Concen: 6.263 ppbv
RT: 3.947 min Scan# 418
Delta R.T. -0.000 min
Lab File: VL041137.D
Acq: 4 Apr 2024 22:53

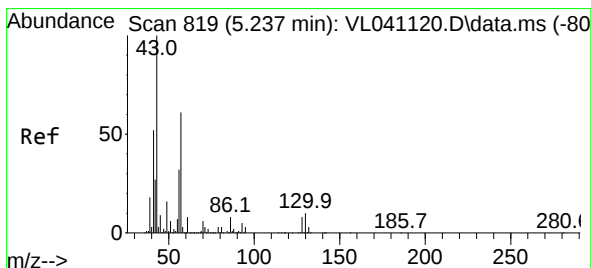
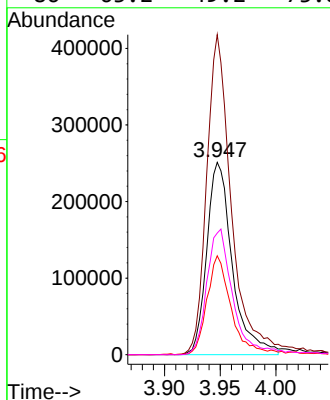
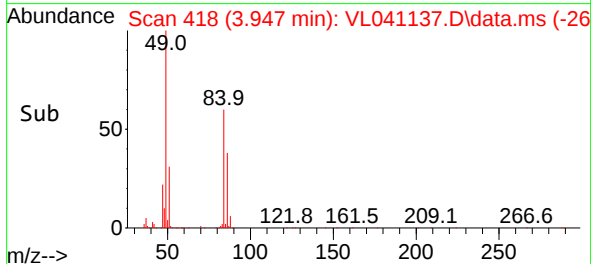
Instrument :
MSVOA_L
ClientSampleId :
SV4



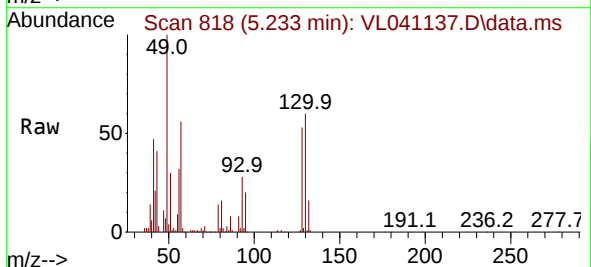
Tgt Ion: 84 Resp: 401810
Ion Ratio Lower Upper
84 100
49 166.2 120.7 181.1
51 51.2 36.6 54.8
86 63.2 49.2 73.8

Manual Integrations
APPROVED

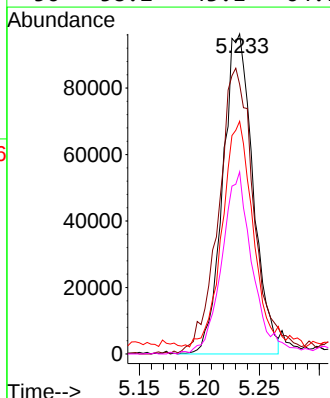
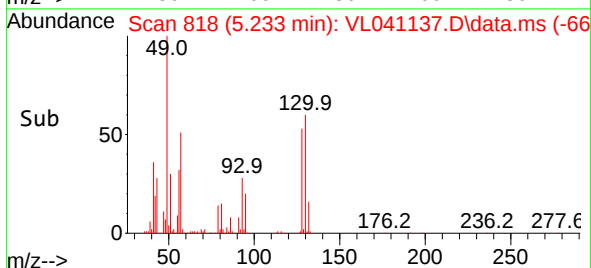
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024

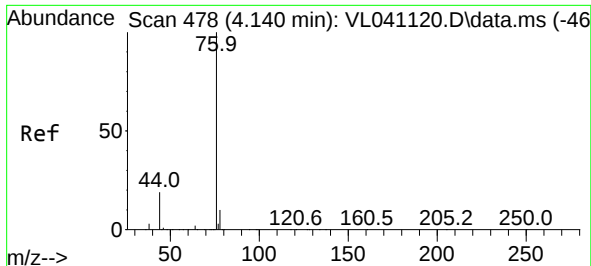


#26
Hexane
Concen: 1.287 ppbv
RT: 5.233 min Scan# 818
Delta R.T. -0.003 min
Lab File: VL041137.D
Acq: 4 Apr 2024 22:53



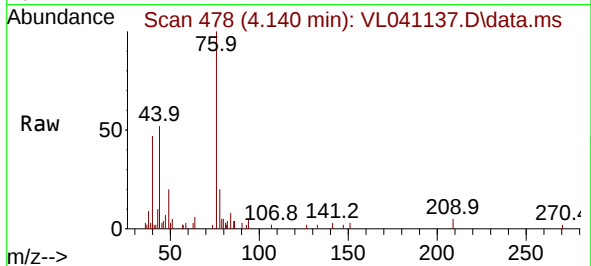
Tgt Ion: 57 Resp: 168700
Ion Ratio Lower Upper
57 100
41 107.2 73.8 110.8
43 73.4 186.2 279.2#
56 58.2 43.1 64.7





#27
Carbon Disulfide
Concen: 0.105 ppbv
RT: 4.140 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041137.D
Acq: 4 Apr 2024 22:53

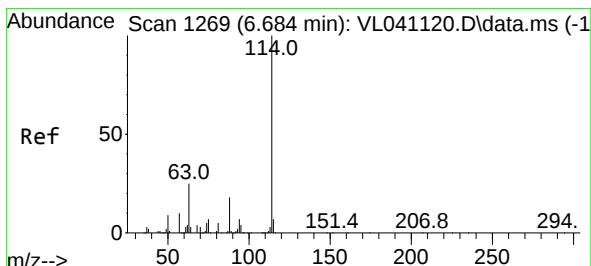
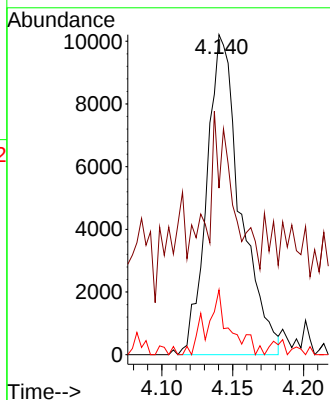
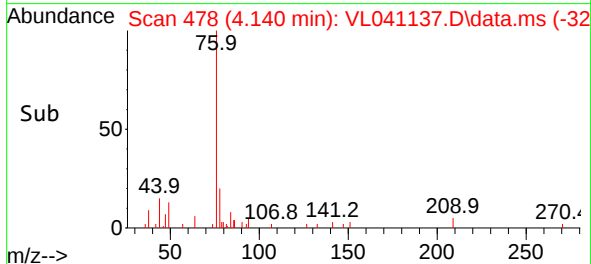
Instrument :
MSVOA_L
ClientSampleId :
SV4



Tgt Ion: 76 Resp: 1688
Ion Ratio Lower Upper
76 100
44 40.8 16.3 24.5
78 13.5 7.9 11.9

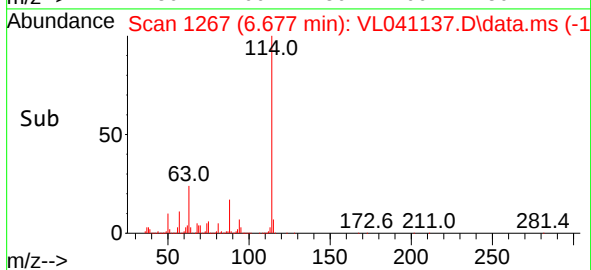
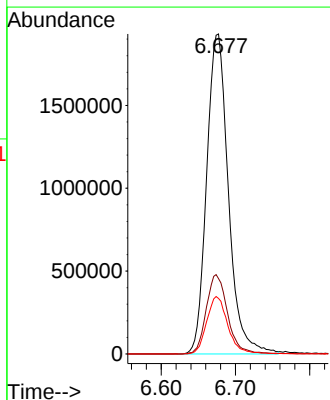
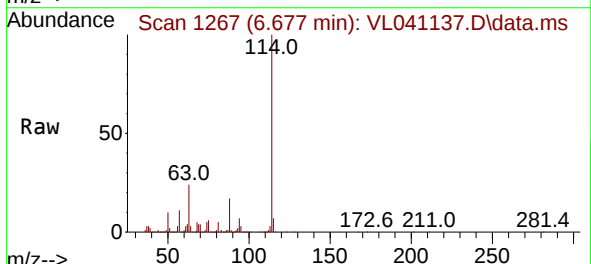
Manual Integrations
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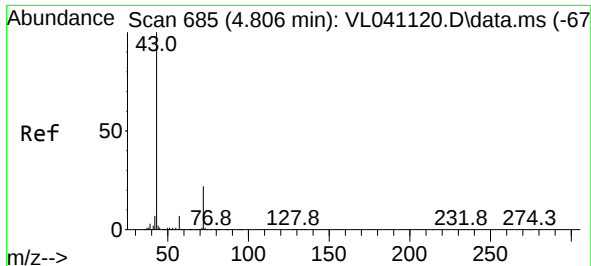
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.677 min Scan# 1267
Delta R.T. -0.007 min
Lab File: VL041137.D
Acq: 4 Apr 2024 22:53

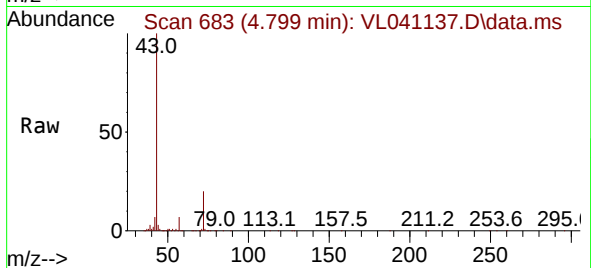
Tgt Ion:114 Resp: 3929266
Ion Ratio Lower Upper
114 100
63 24.5 20.9 31.3
88 17.5 14.5 21.7





#34
2-Butanone
Concen: 16.373 ppbv
RT: 4.799 min Scan# 683
Delta R.T. -0.007 min
Lab File: VL041137.D
Acq: 4 Apr 2024 22:53

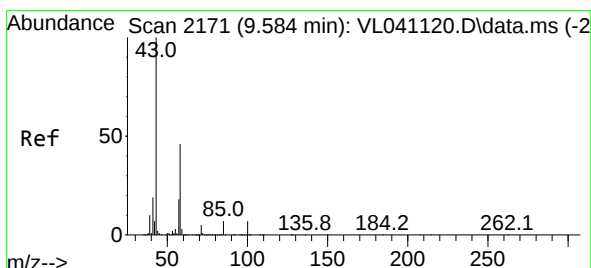
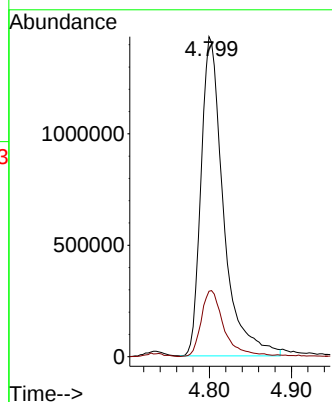
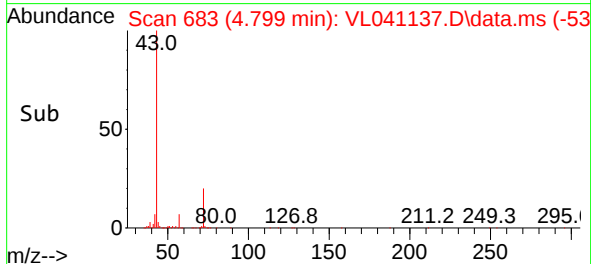
Instrument :
MSVOA_L
ClientSampleId :
SV4



Tgt Ion: 43 Resp: 2722298
Ion Ratio Lower Upper
43 100
72 21.7 17.6 26.4

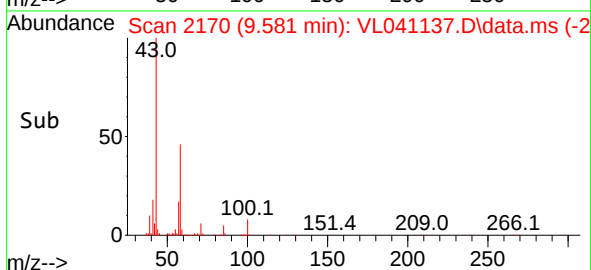
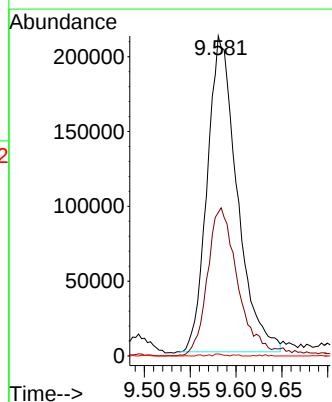
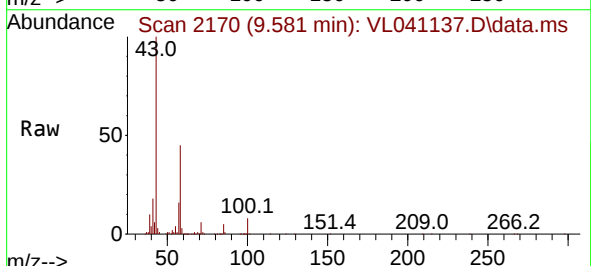
Manual Integrations
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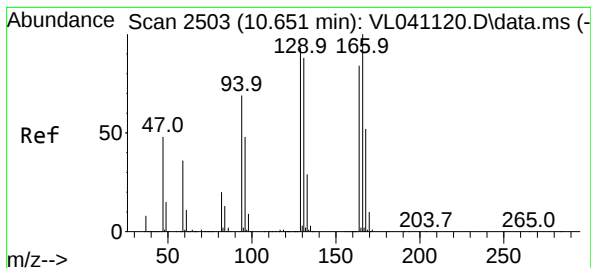
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#51
2-Hexanone
Concen: 2.358 ppbv
RT: 9.581 min Scan# 2170
Delta R.T. -0.003 min
Lab File: VL041137.D
Acq: 4 Apr 2024 22:53

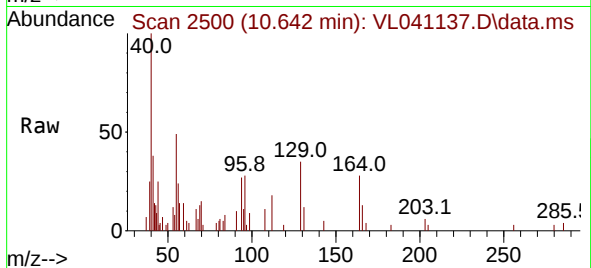
Tgt Ion: 43 Resp: 478291
Ion Ratio Lower Upper
43 100
58 50.4 37.3 55.9
98 0.4 0.3 0.5





#52
Tetrachloroethene
Concen: 0.030 ppbv m
RT: 10.642 min Scan# 2065
Delta R.T. -0.010 min
Lab File: VL041137.D
Acq: 4 Apr 2024 22:53

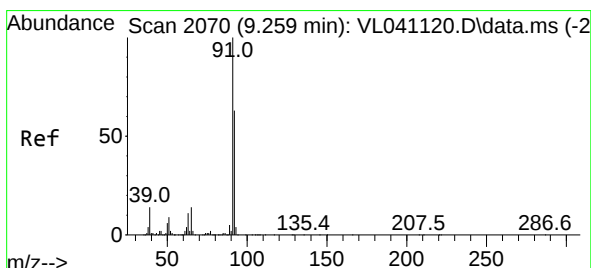
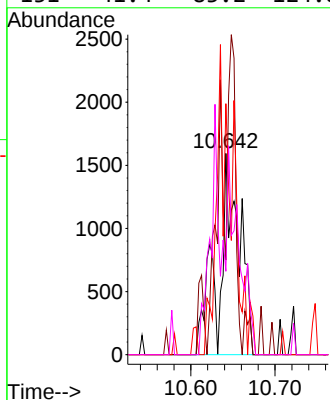
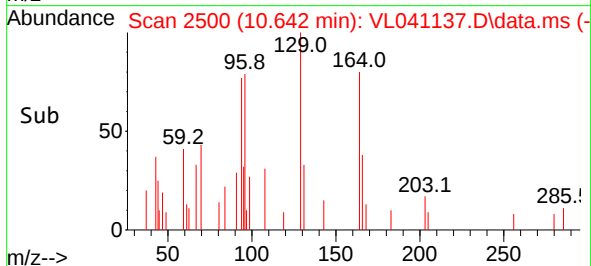
Instrument : MSVOA_L
ClientSampleId : SV4



Tgt Ion:164 Resp: 279
Ion Ratio Lower Upper
164 100
166 47.0 95.0 142.6
129 124.7 88.7 133.1
131 41.4 83.2 124.8#

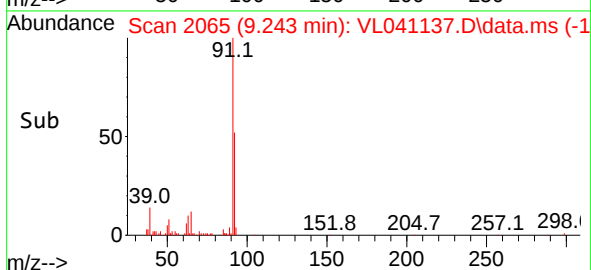
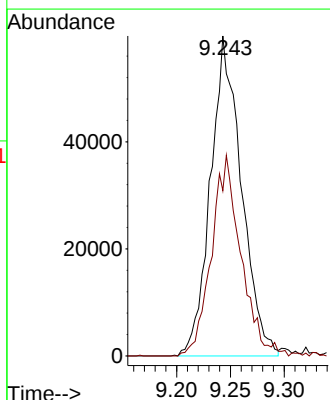
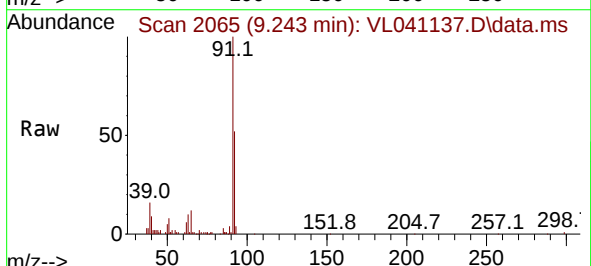
Manual Integrations
APPROVED

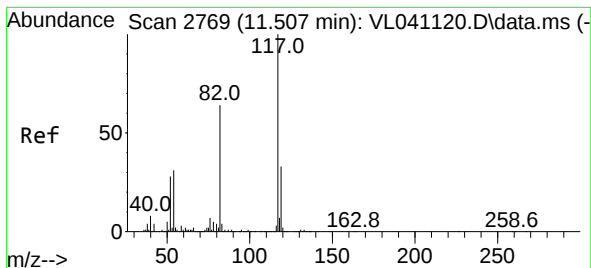
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#53
Toluene
Concen: 0.393 ppbv
RT: 9.243 min Scan# 2065
Delta R.T. -0.016 min
Lab File: VL041137.D
Acq: 4 Apr 2024 22:53

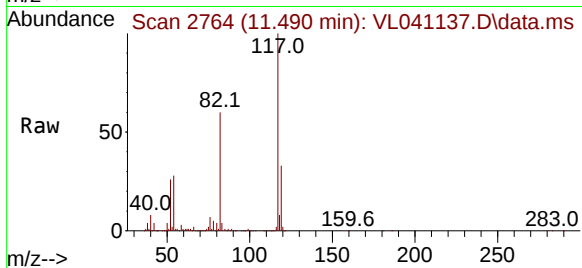
Tgt Ion: 91 Resp: 119409
Ion Ratio Lower Upper
91 100
92 60.5 49.0 73.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.490 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL041137.D
Acq: 4 Apr 2024 22:53

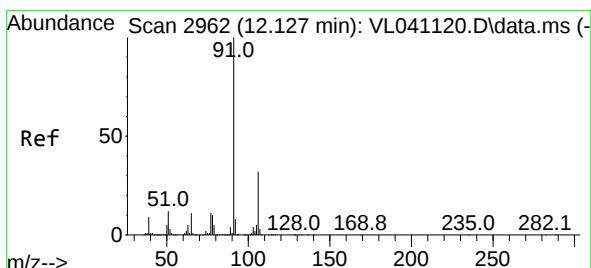
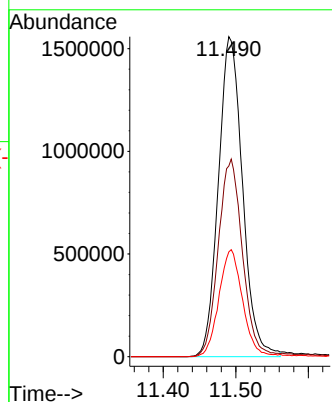
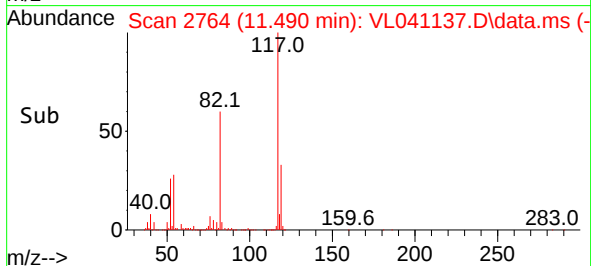
Instrument :
MSVOA_L
ClientSampleId :
SV4



Tgt Ion:117 Resp: 3604914
Ion Ratio Lower Upper
117 100
82 63.0 51.0 76.6
119 33.3 25.2 37.8

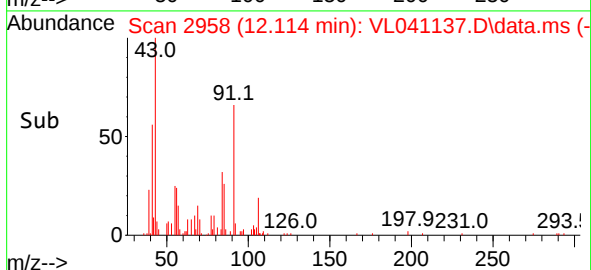
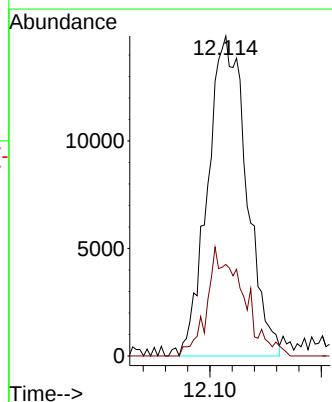
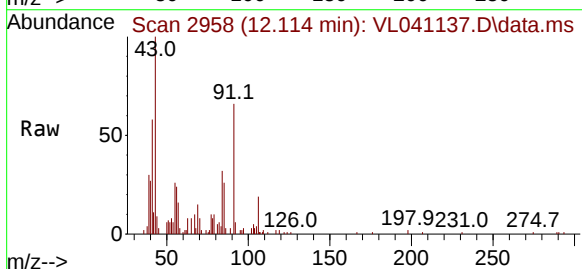
Manual Integrations
APPROVED

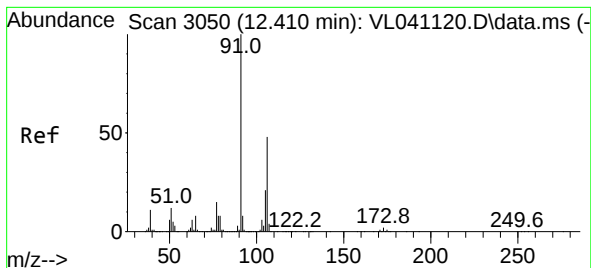
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#58
Ethyl Benzene
Concen: 0.092 ppbv m
RT: 12.114 min Scan# 2958
Delta R.T. -0.013 min
Lab File: VL041137.D
Acq: 4 Apr 2024 22:53

Tgt Ion: 91 Resp: 36183
Ion Ratio Lower Upper
91 100
106 28.6 25.6 38.4





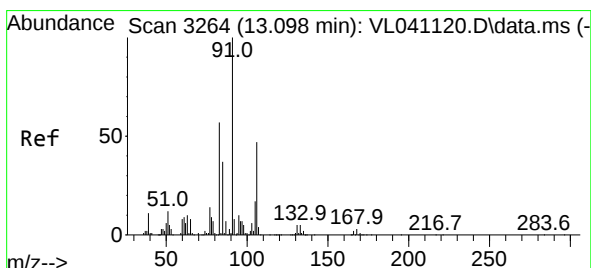
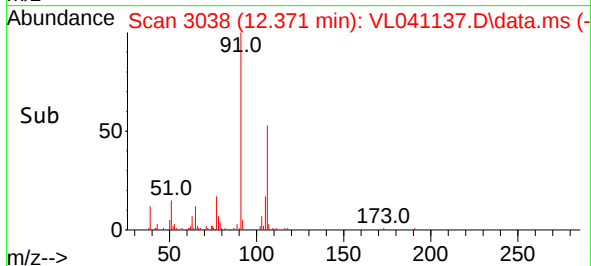
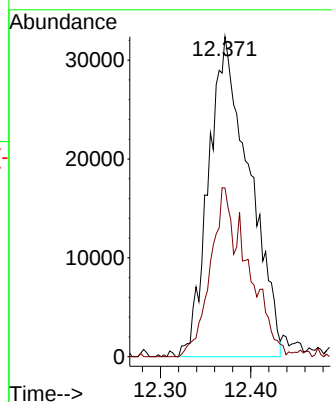
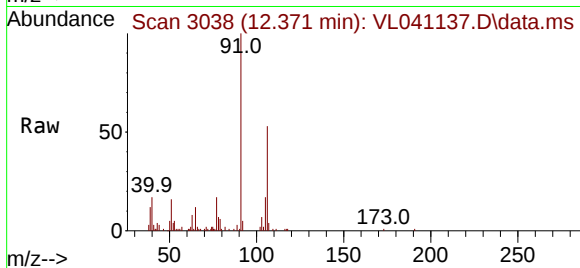
#59
m/p-Xylene
Concen: 0.285 ppbv m
RT: 12.371 min Scan# 3050
Delta R.T. -0.039 min
Lab File: VL041137.D
Acq: 4 Apr 2024 22:53

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 91 Resp: 10150
Ion Ratio Lower Upper
91 100
106 49.1 35.4 53.2

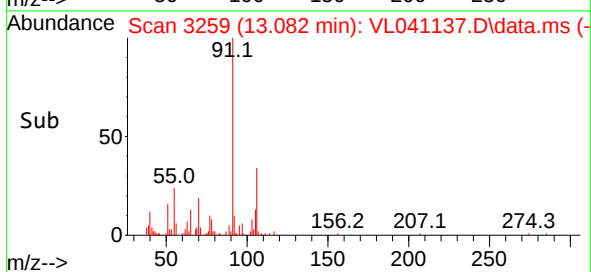
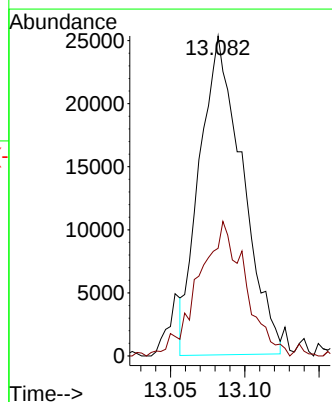
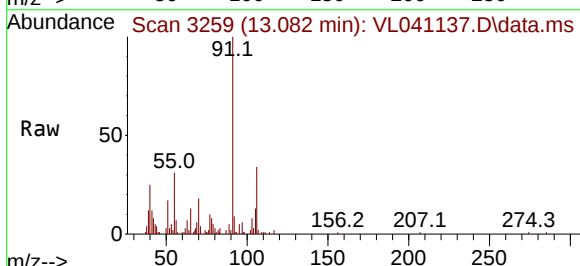
Manual Integrations
APPROVED

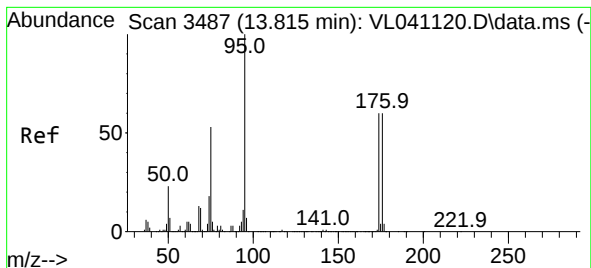
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#60
o-Xylene
Concen: 0.150 ppbv
RT: 13.082 min Scan# 3259
Delta R.T. -0.016 min
Lab File: VL041137.D
Acq: 4 Apr 2024 22:53

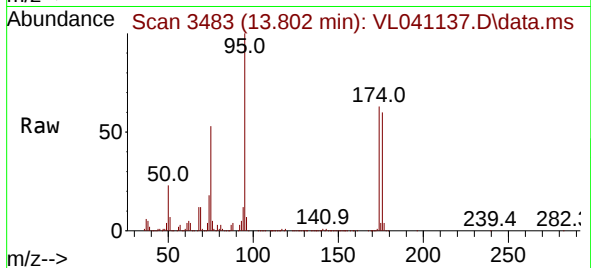
Tgt Ion: 91 Resp: 50710
Ion Ratio Lower Upper
91 100
106 46.9 22.9 68.5





#68
1-Bromo-4-Fluorobenzene
Concen: 9.597 ppbv
RT: 13.802 min Scan# 3487
Delta R.T. -0.013 min
Lab File: VL041137.D
Acq: 4 Apr 2024 22:53

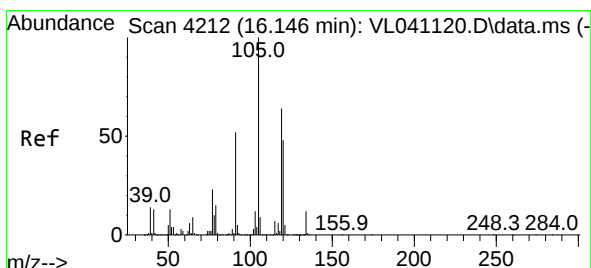
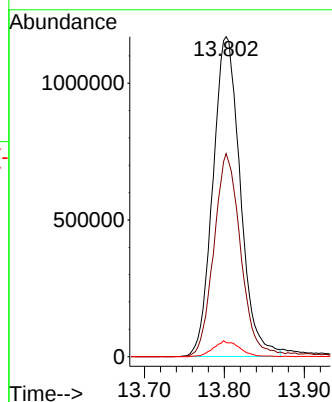
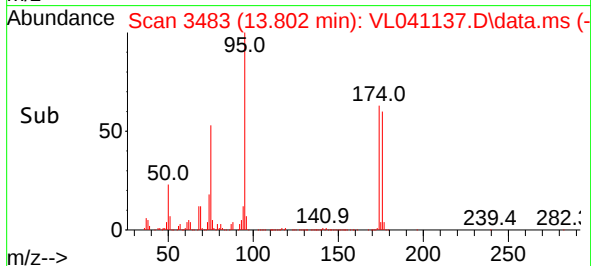
Instrument :
MSVOA_L
ClientSampleId :
SV4



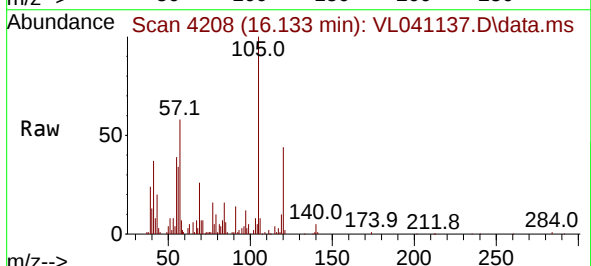
Tgt Ion: 95 Resp: 278192
Ion Ratio Lower Upper
95 100
174 64.2 49.3 73.9
175 4.9 3.6 5.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#74
1,2,4-Trimethylbenzene
Concen: 0.288 ppbv
RT: 16.133 min Scan# 4208
Delta R.T. -0.013 min
Lab File: VL041137.D
Acq: 4 Apr 2024 22:53



Tgt Ion:105 Resp: 109802
Ion Ratio Lower Upper
105 100
120 44.0 38.9 58.3
91 12.7 43.0 64.6#
77 14.7 18.6 28.0#

