

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021025\
 Data File : VL041985.D
 Acq On : 10 Feb 2025 13:37
 Operator : SY/MD
 Sample : Q1303-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 01:22:53 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Jan 14 23:15:42 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	150888	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.955	114	423784	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.878	117	380638	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 286452 9.555 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	2752m	0.134	ppbv	
9) Propene	1.486	41	2135	0.241	ppbv	93
10) Heptane	4.972	43	5580m	0.235	ppbv	
13) Ethanol	1.719	45	10429	16.053	ppbv	92
15) Acetone	1.835	43	80024	4.416	ppbv	100
19) Isopropyl Alcohol	1.884	45	27063	2.519	ppbv #	43
20) Methylene Chloride	2.059	84	2073	0.289	ppbv #	89
26) Hexane	2.826	57	23895	1.236	ppbv #	40
34) 2-Butanone	2.557	43	8531	0.317	ppbv	99
52) Tetrachloroethene	8.225	164	3414m	0.253	ppbv	
53) Toluene	6.930	91	20117	0.475	ppbv	96
58) Ethyl Benzene	9.348	91	16584	0.279	ppbv	89
59) m/p-Xylene	9.529	91	36692	0.770	ppbv	96
60) o-Xylene	9.959	91	19058	0.403	ppbv	95
62) Isopropylbenzene	10.539	105	30334	0.414	ppbv	98
64) n-propylbenzene	10.985	120	4948	0.267	ppbv	95
65) tert-Butylbenzene	11.536	119	6348	0.095	ppbv #	44
73) 1,3,5-Trimethylbenzene	11.199	105	17918	0.358	ppbv	95
74) 1,2,4-Trimethylbenzene	11.532	105	44833	0.828	ppbv #	55

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

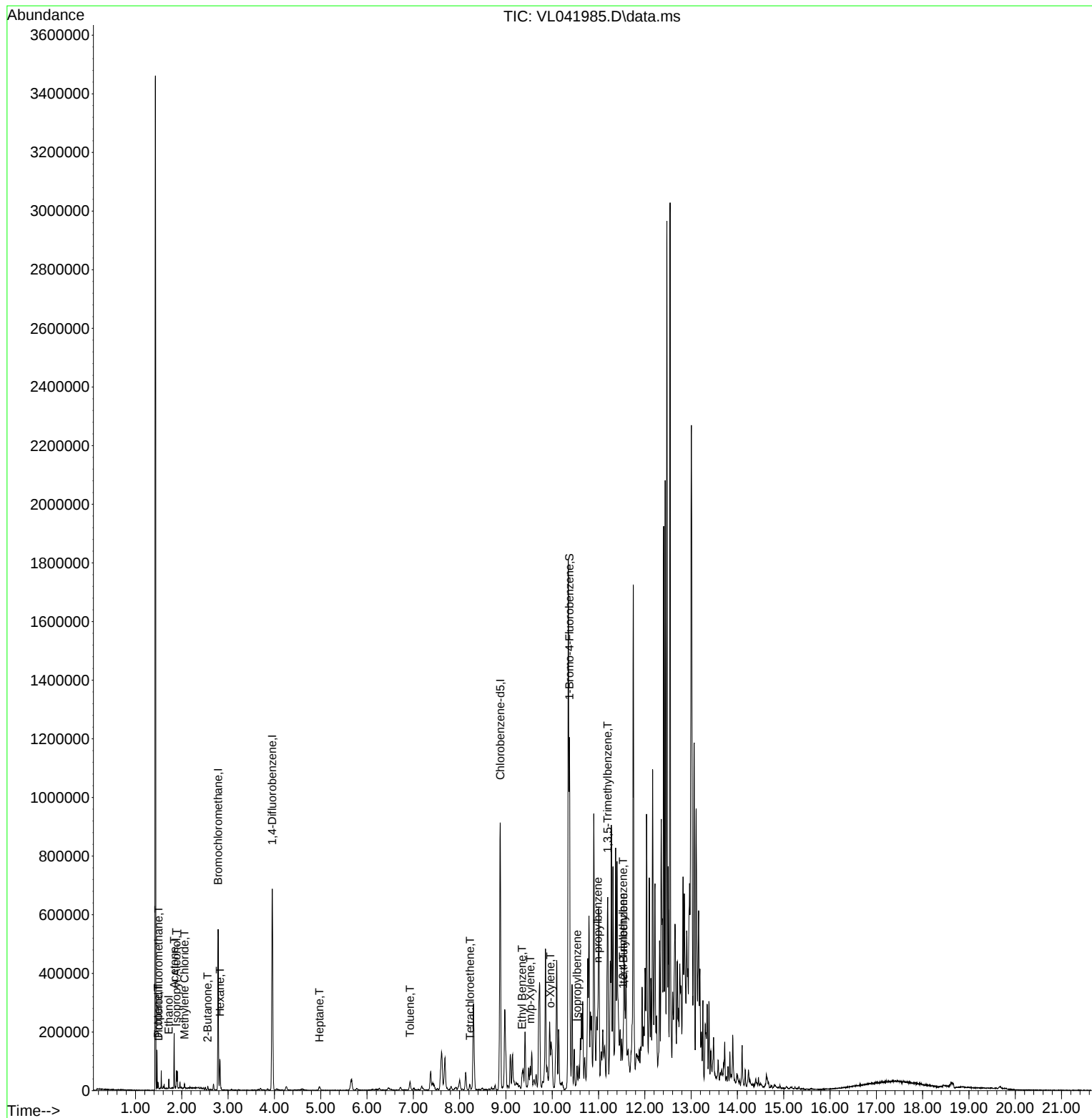
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021025\
Data File : VL041985.D
Acq On : 10 Feb 2025 13:37
Operator : SY/MD
Sample : Q1303-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

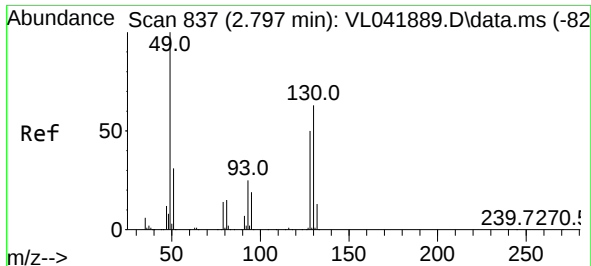
Instrument :
MSVOA_L
ClientSampleId :
SV1

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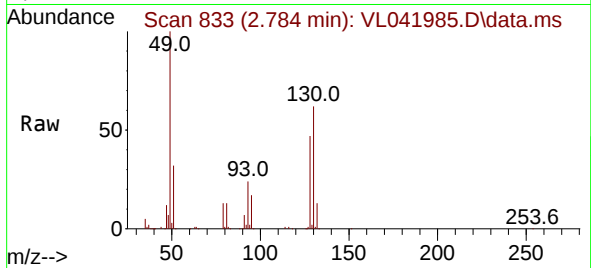
Quant Time: Feb 11 01:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.013 min
Lab File: VL041985.D
Acq: 10 Feb 2025 13:37

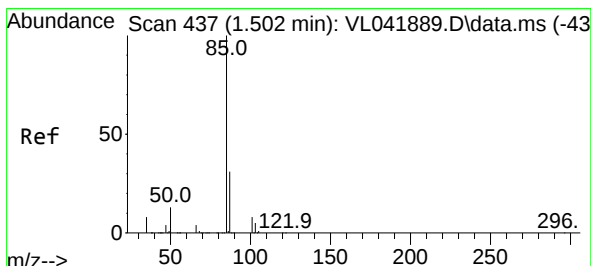
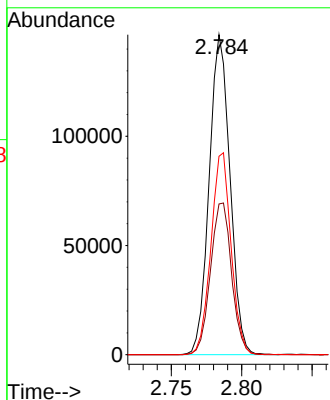
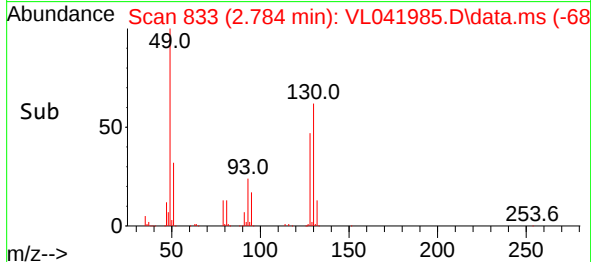
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 15088
Ion Ratio Lower Upper
49 100
128 48.2 24.3 73.0
130 61.1 31.1 93.2

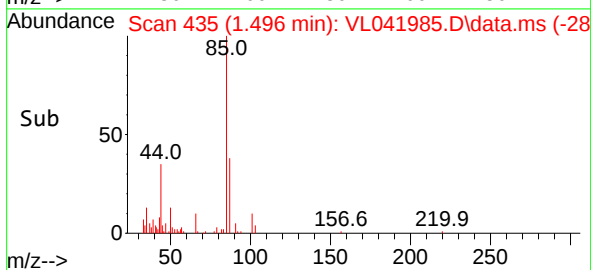
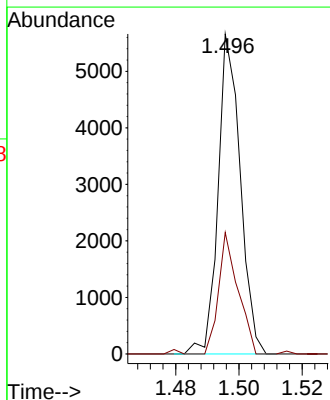
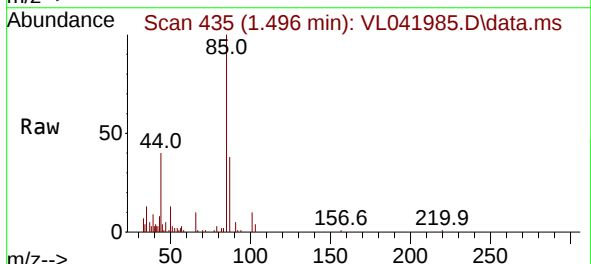
Manual Integrations
APPROVED

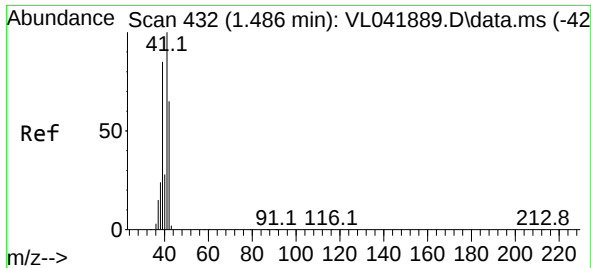
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#2
Dichlorodifluoromethane
Concen: 0.134 ppbv m
RT: 1.496 min Scan# 435
Delta R.T. -0.006 min
Lab File: VL041985.D
Acq: 10 Feb 2025 13:37

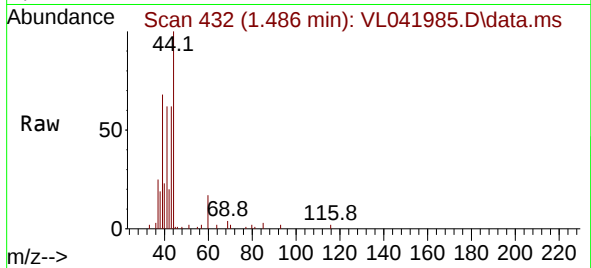
Tgt Ion: 85 Resp: 2752
Ion Ratio Lower Upper
85 100
87 37.9 24.9 37.3#





#9
Propene
Concen: 0.241 ppbv
RT: 1.486 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041985.D
Acq: 10 Feb 2025 13:37

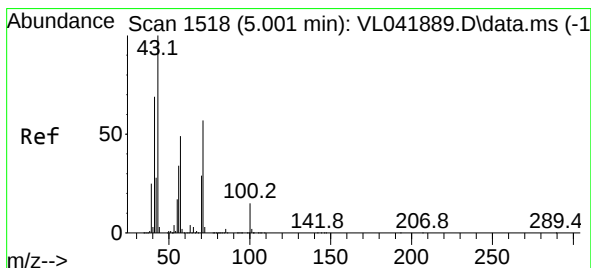
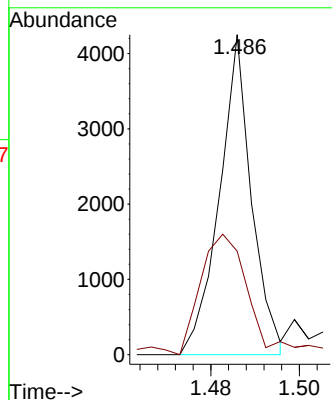
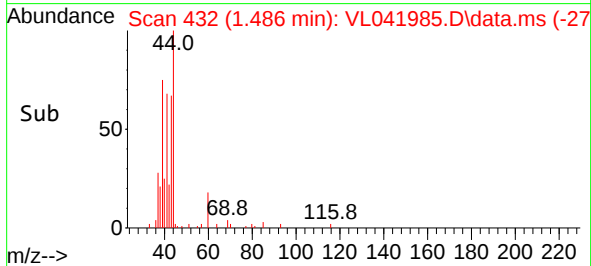
Instrument :
MSVOA_L
ClientSampleId :
SV1



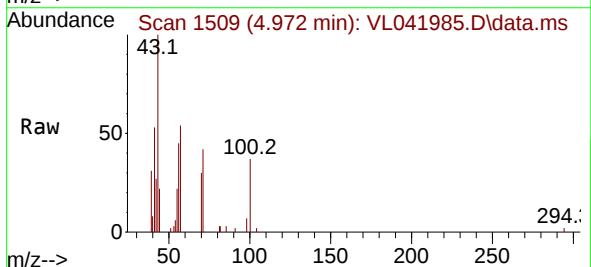
Tgt Ion: 41 Resp: 213
Ion Ratio Lower Upper
41 100
42 59.8 52.0 78.0

Manual Integrations
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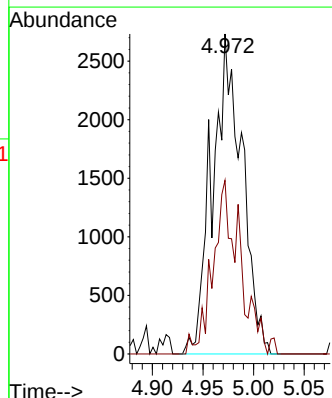
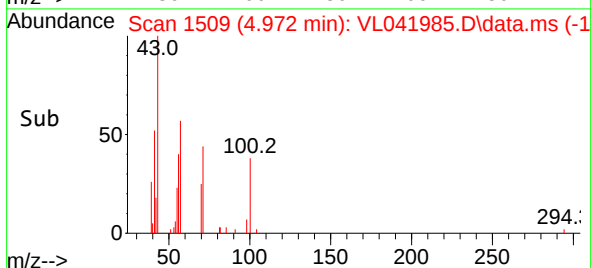
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Supervised By :Mahesh Dadoda 02/11/2025

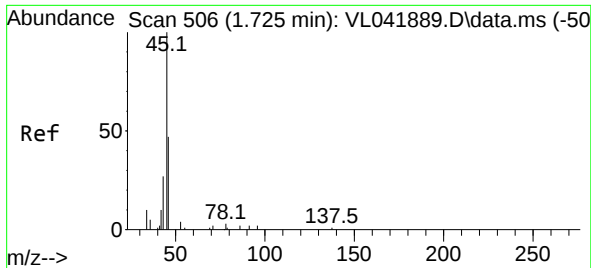


#10
Heptane
Concen: 0.235 ppbv m
RT: 4.972 min Scan# 1509
Delta R.T. -0.029 min
Lab File: VL041985.D
Acq: 10 Feb 2025 13:37



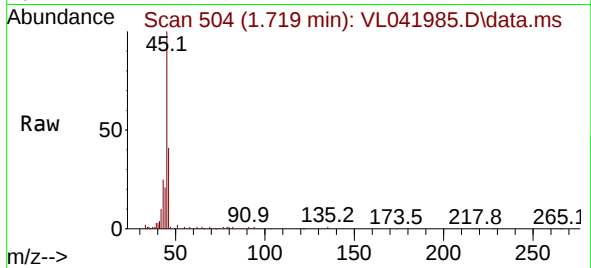
Tgt Ion: 43 Resp: 5580
Ion Ratio Lower Upper
43 100
57 49.7 41.0 61.4





#13
Ethanol
Concen: 16.053 ppbv
RT: 1.719 min Scan# 506
Delta R.T. -0.006 min
Lab File: VL041985.D
Acq: 10 Feb 2025 13:37

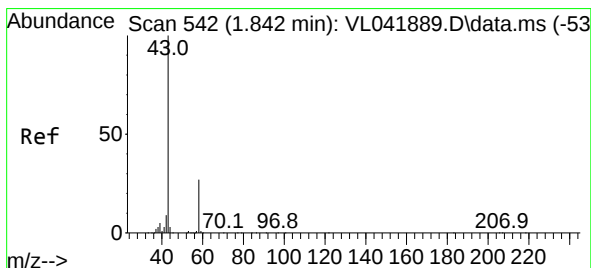
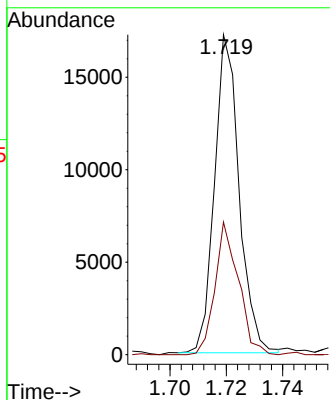
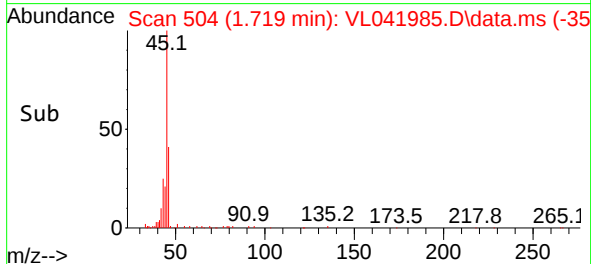
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 45 Resp: 10429
Ion Ratio Lower Upper
45 100
46 40.1 18.1 72.5

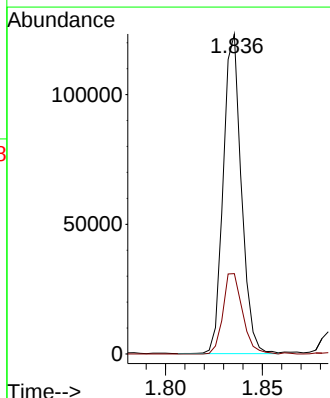
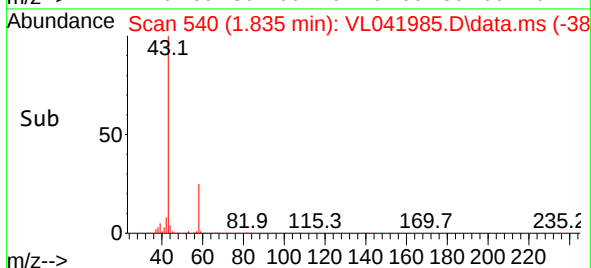
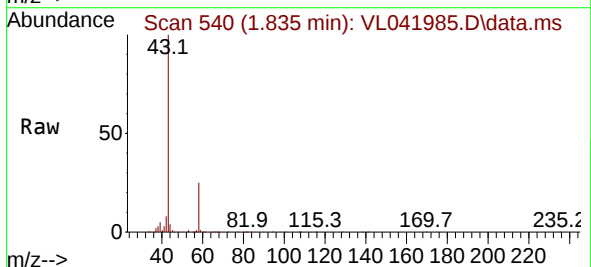
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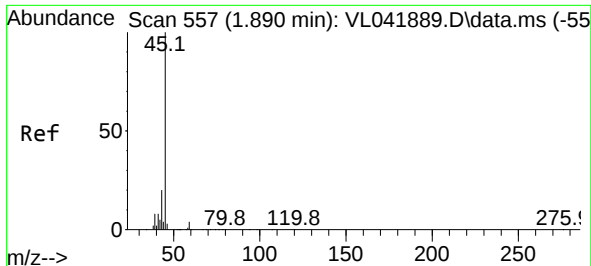
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#15
Acetone
Concen: 4.416 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.006 min
Lab File: VL041985.D
Acq: 10 Feb 2025 13:37

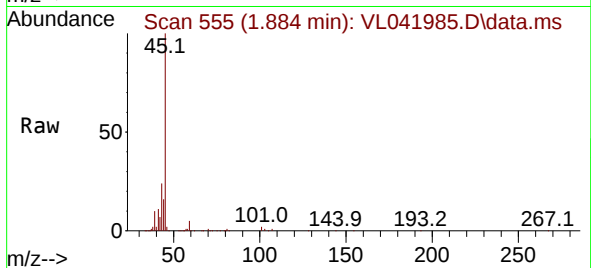
Tgt Ion: 43 Resp: 80024
Ion Ratio Lower Upper
43 100
58 27.3 21.9 32.9





#19
Isopropyl Alcohol
Concen: 2.519 ppbv
RT: 1.884 min Scan# 51
Delta R.T. -0.006 min
Lab File: VL041985.D
Acq: 10 Feb 2025 13:37

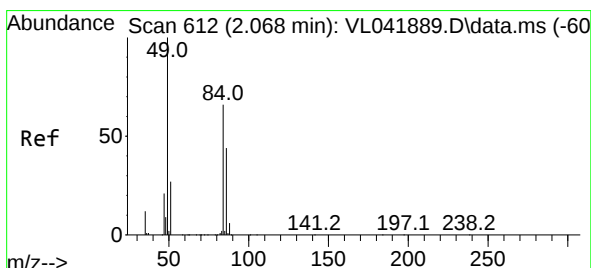
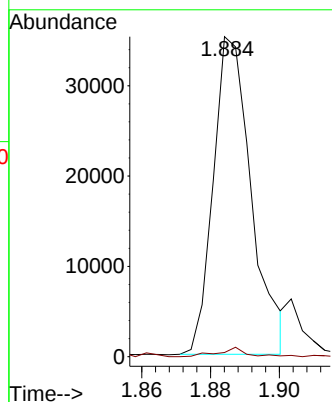
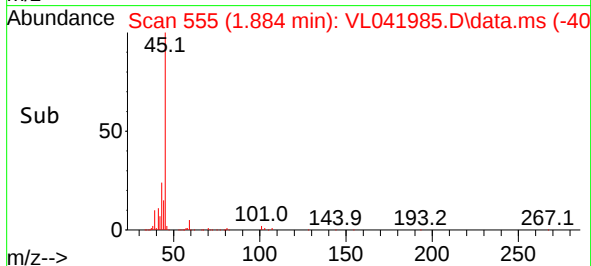
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 45 Resp: 2706
Ion Ratio Lower Upper
45 100
58 80.8 35.0 52.6

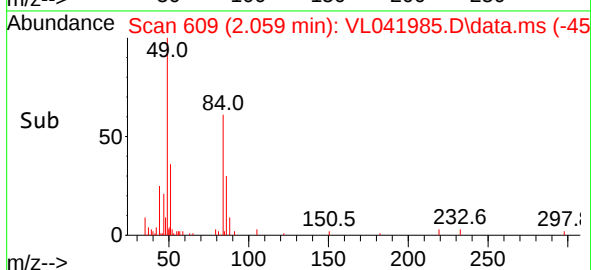
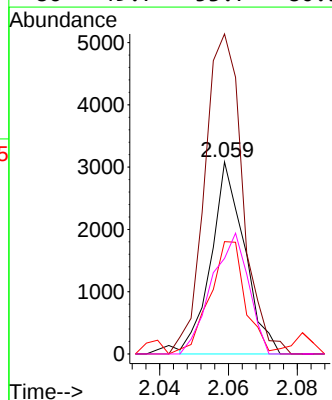
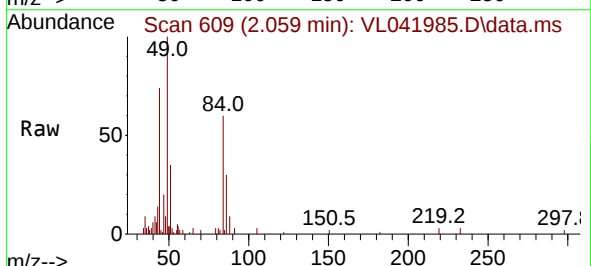
Manual Integrations
APPROVED

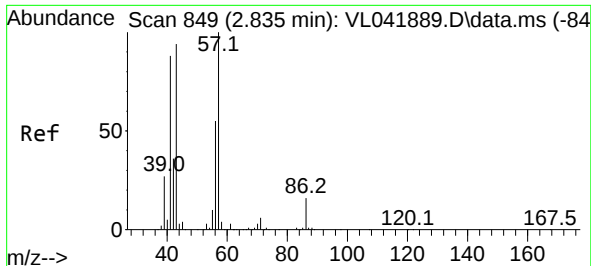
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#20
Methylene Chloride
Concen: 0.289 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.010 min
Lab File: VL041985.D
Acq: 10 Feb 2025 13:37

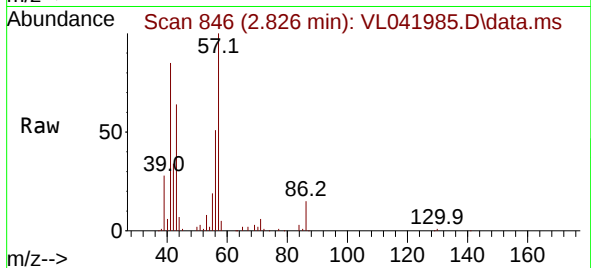
Tgt Ion: 84 Resp: 2073
Ion Ratio Lower Upper
84 100
49 160.0 123.1 184.7
51 56.0 35.8 53.8#
86 49.7 53.7 80.5#





#26
Hexane
Concen: 1.236 ppbv
RT: 2.826 min Scan# 849
Delta R.T. -0.010 min
Lab File: VL041985.D
Acq: 10 Feb 2025 13:37

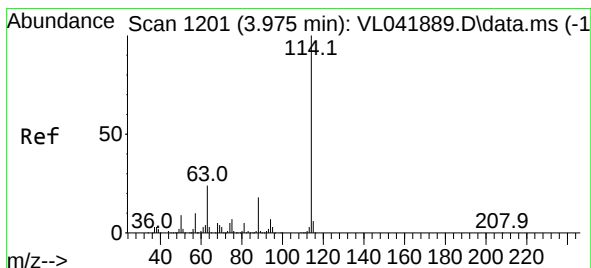
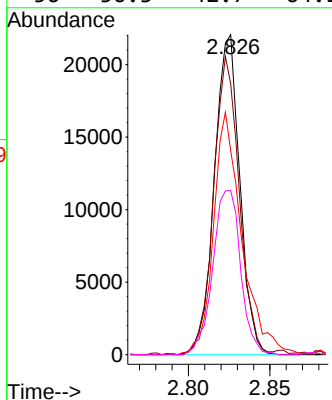
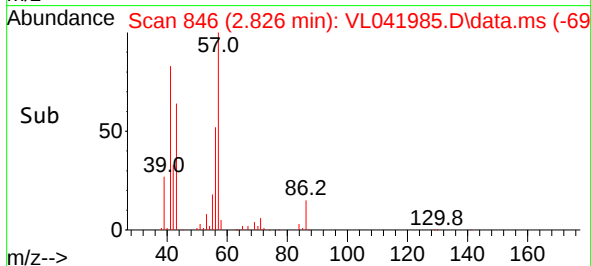
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 57 Resp: 2389
Ion Ratio Lower Upper
57 100
41 96.6 73.8 110.8
43 85.3 197.3 295.9
56 56.3 42.7 64.1

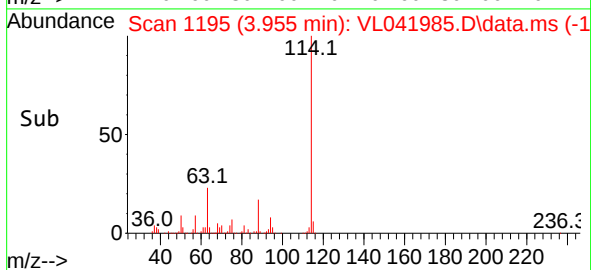
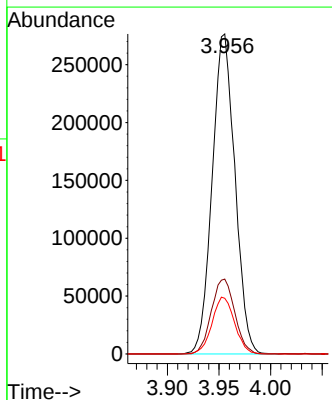
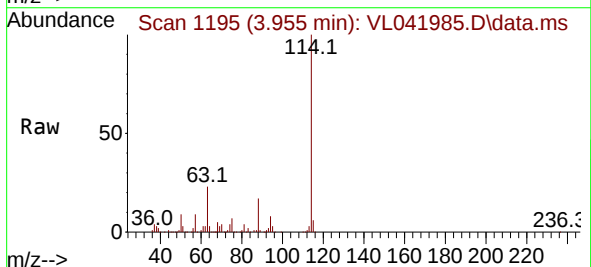
Manual Integrations
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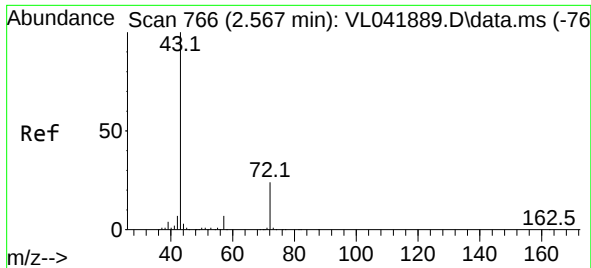
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.019 min
Lab File: VL041985.D
Acq: 10 Feb 2025 13:37

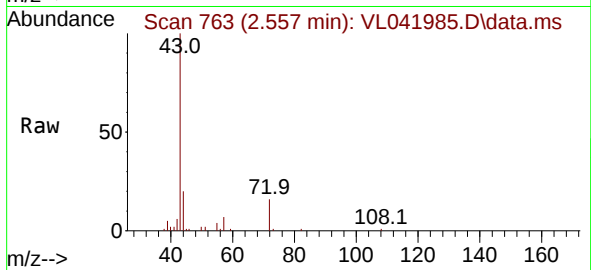
Tgt Ion:114 Resp: 423784
Ion Ratio Lower Upper
114 100
63 24.1 19.8 29.6
88 17.6 14.4 21.6





#34
2-Butanone
Concen: 0.317 ppbv
RT: 2.557 min Scan# 763
Delta R.T. -0.010 min
Lab File: VL041985.D
Acq: 10 Feb 2025 13:37

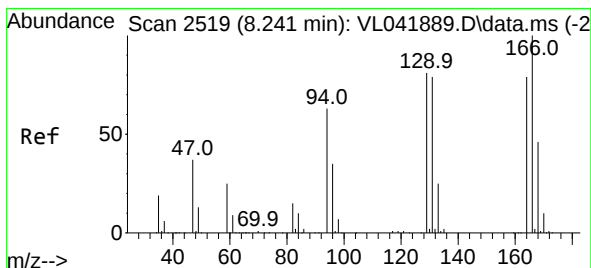
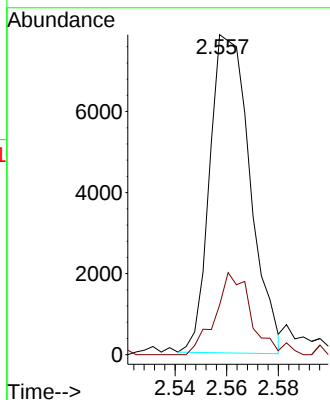
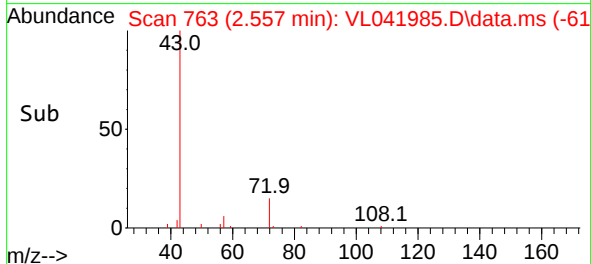
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 853
Ion Ratio Lower Upper
43 100
72 23.8 18.6 28.0

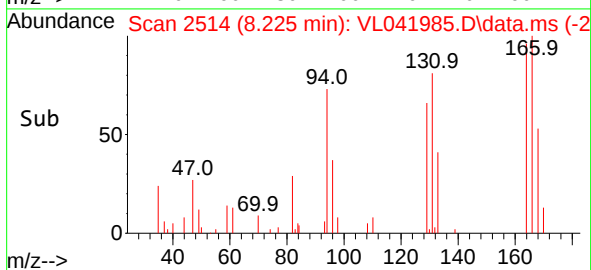
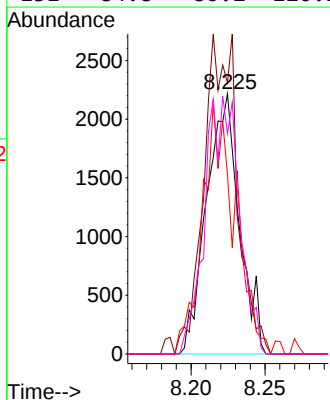
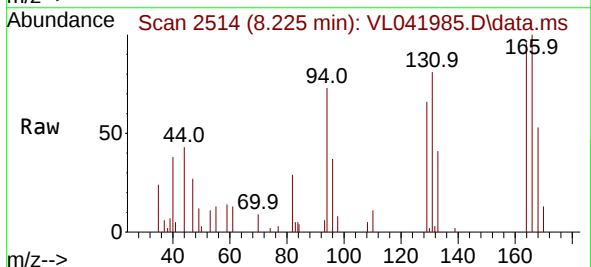
Manual Integrations
APPROVED

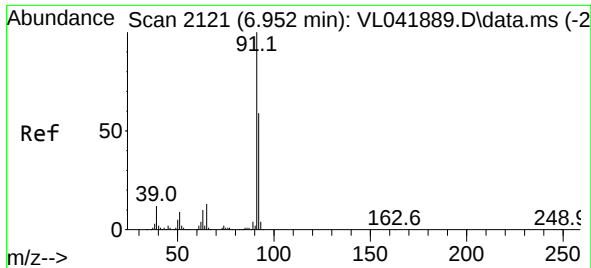
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#52
Tetrachloroethene
Concen: 0.253 ppbv m
RT: 8.225 min Scan# 2514
Delta R.T. -0.016 min
Lab File: VL041985.D
Acq: 10 Feb 2025 13:37

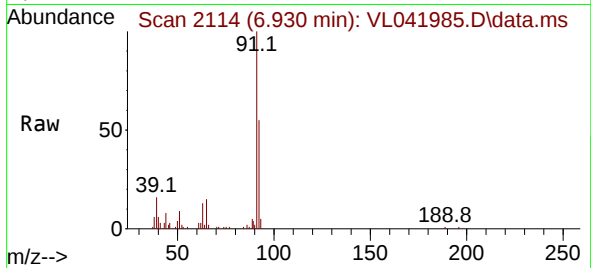
Tgt Ion:164 Resp: 3414
Ion Ratio Lower Upper
164 100
166 104.3 100.8 151.2
129 68.9 82.0 123.0#
131 84.8 80.2 120.2





#53
Toluene
Concen: 0.475 ppbv
RT: 6.930 min Scan# 2114
Delta R.T. -0.023 min
Lab File: VL041985.D
Acq: 10 Feb 2025 13:37

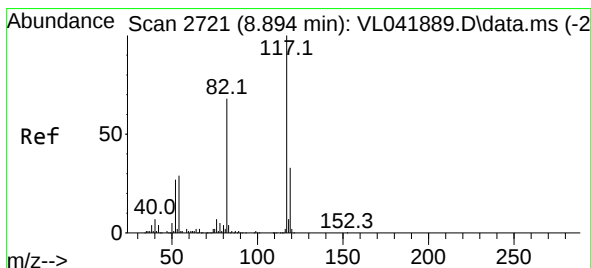
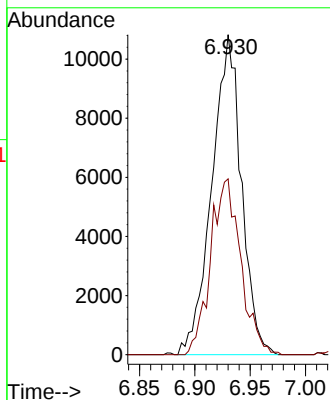
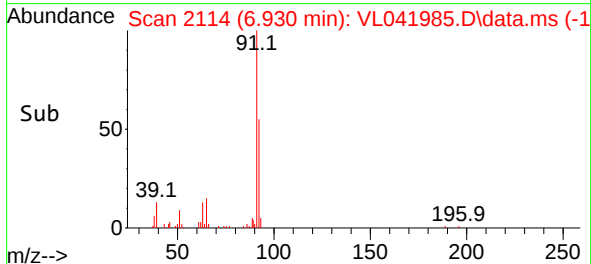
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 91 Resp: 2011
Ion Ratio Lower Upper
91 100
92 55.9 47.4 71.0

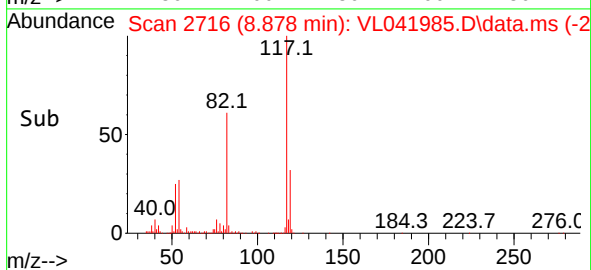
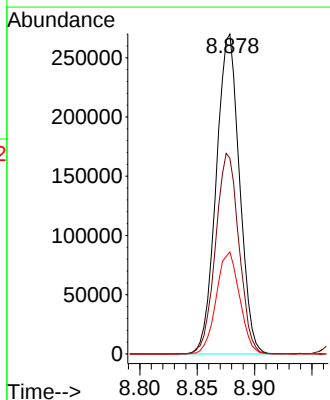
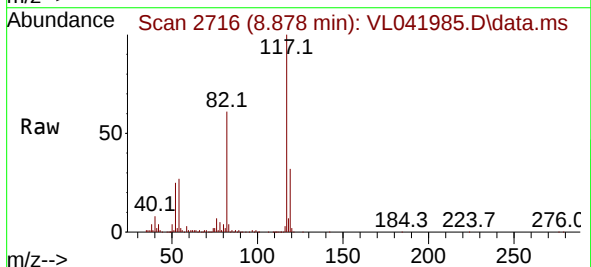
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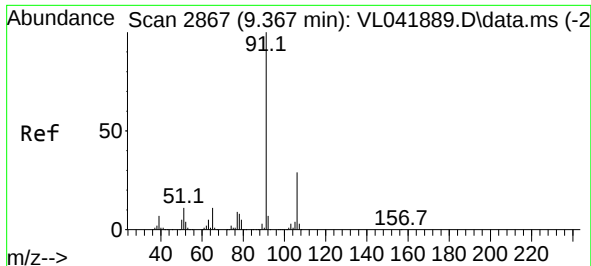
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. -0.016 min
Lab File: VL041985.D
Acq: 10 Feb 2025 13:37

Tgt Ion:117 Resp: 380638
Ion Ratio Lower Upper
117 100
82 63.2 54.2 81.4
119 32.1 25.0 37.6





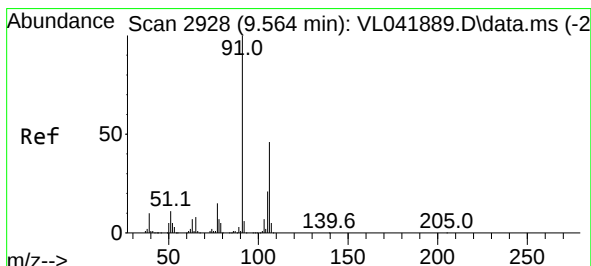
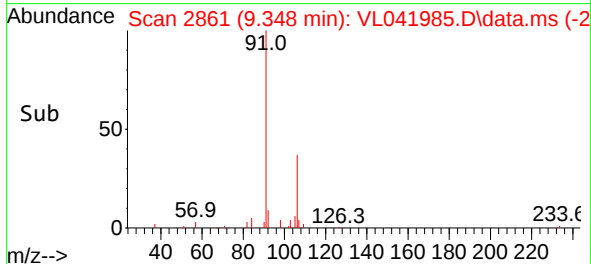
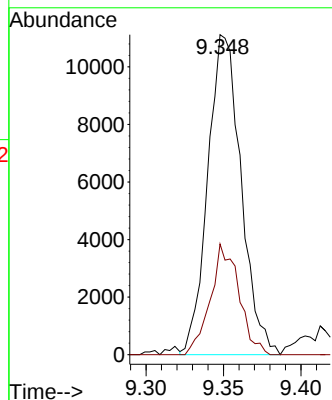
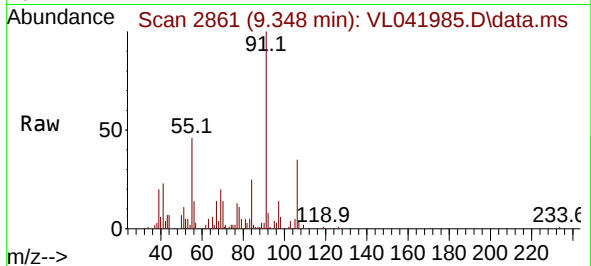
#58
Ethyl Benzene
Concen: 0.279 ppbv
RT: 9.348 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL041985.D
Acq: 10 Feb 2025 13:37

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 16584
Ion Ratio Lower Upper
91 100
106 34.6 23.1 34.7

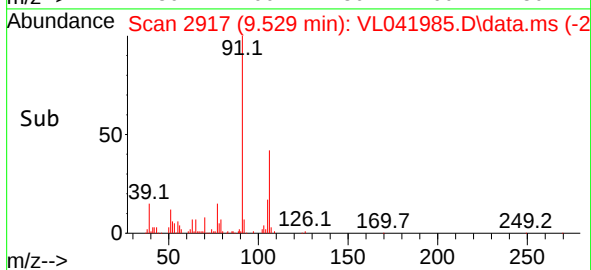
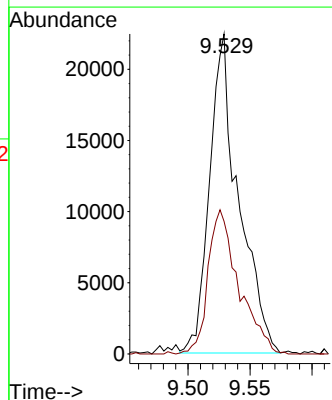
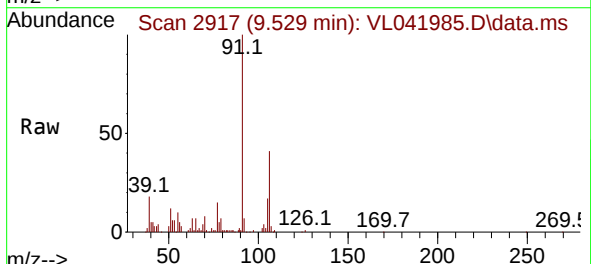
Manual Integrations
APPROVED

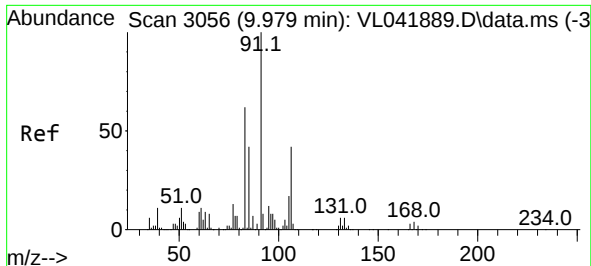
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#59
m/p-Xylene
Concen: 0.770 ppbv
RT: 9.529 min Scan# 2917
Delta R.T. -0.035 min
Lab File: VL041985.D
Acq: 10 Feb 2025 13:37

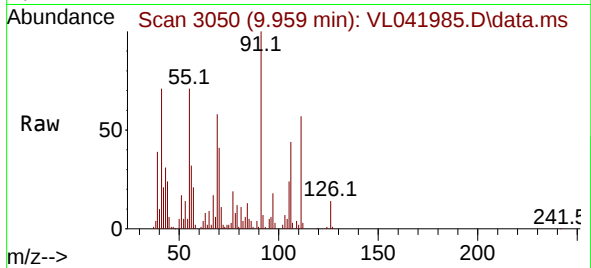
Tgt Ion: 91 Resp: 36692
Ion Ratio Lower Upper
91 100
106 47.9 36.0 54.0





#60
o-Xylene
Concen: 0.403 ppbv
RT: 9.959 min Scan# 3056
Delta R.T. -0.019 min
Lab File: VL041985.D
Acq: 10 Feb 2025 13:37

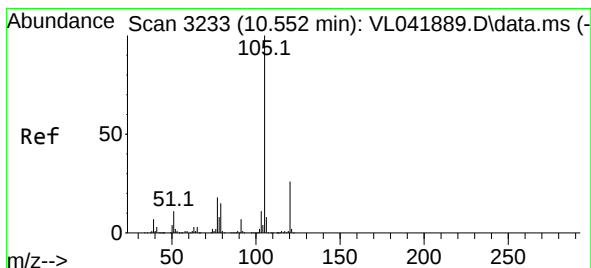
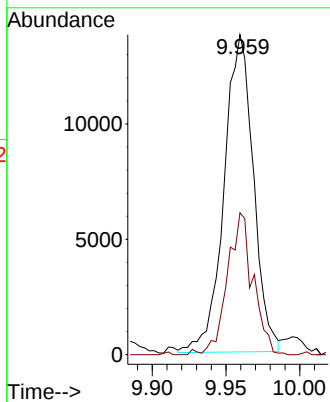
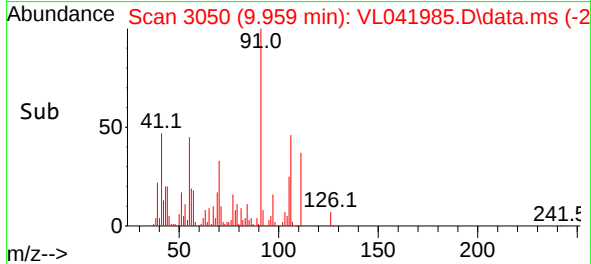
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 91 Resp: 19058
Ion Ratio Lower Upper
91 100
106 39.3 21.3 63.9

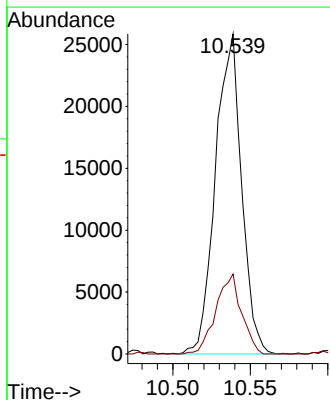
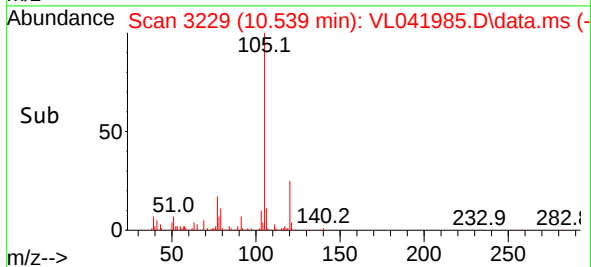
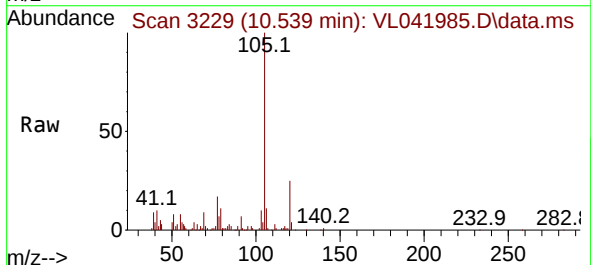
Manual Integrations
APPROVED

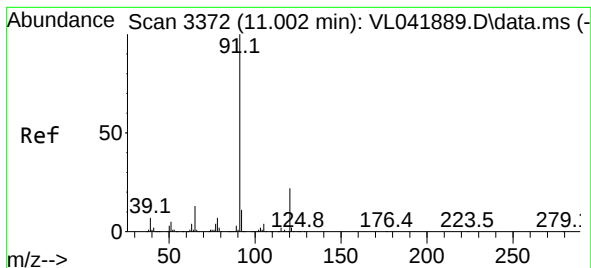
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#62
Isopropylbenzene
Concen: 0.414 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.013 min
Lab File: VL041985.D
Acq: 10 Feb 2025 13:37

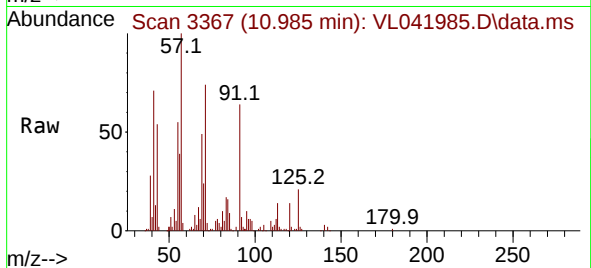
Tgt Ion:105 Resp: 30334
Ion Ratio Lower Upper
105 100
120 24.4 20.3 30.5





#64
n-propylbenzene
Concen: 0.267 ppbv
RT: 10.985 min Scan# 31
Delta R.T. -0.016 min
Lab File: VL041985.D
Acq: 10 Feb 2025 13:37

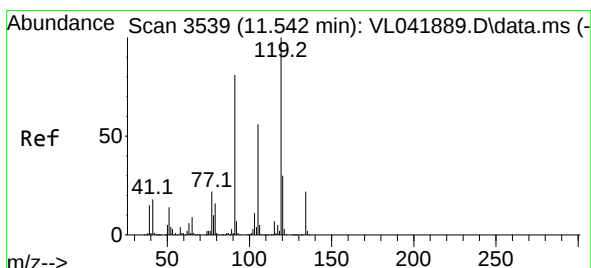
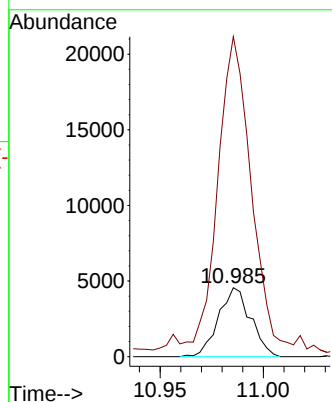
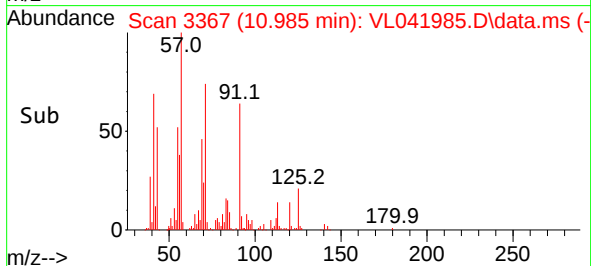
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:120 Resp: 4948
Ion Ratio Lower Upper
120 100
91 481.2 374.1 561.1

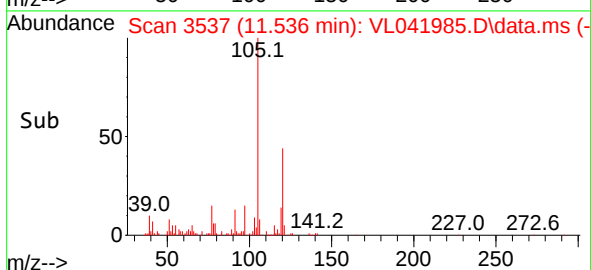
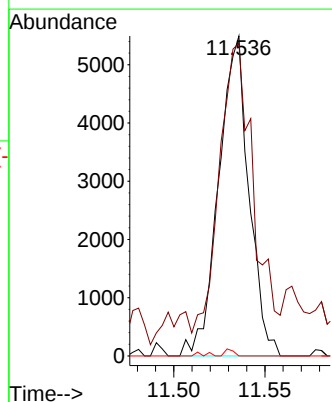
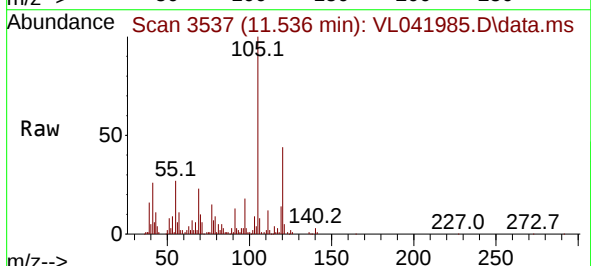
Manual Integrations
APPROVED

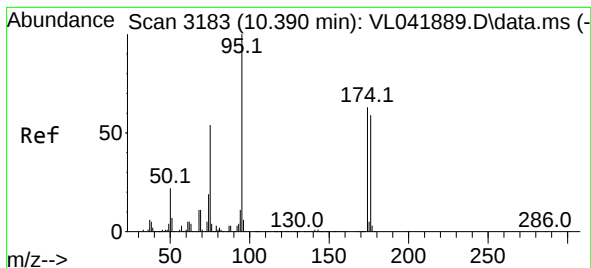
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#65
tert-Butylbenzene
Concen: 0.095 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.006 min
Lab File: VL041985.D
Acq: 10 Feb 2025 13:37

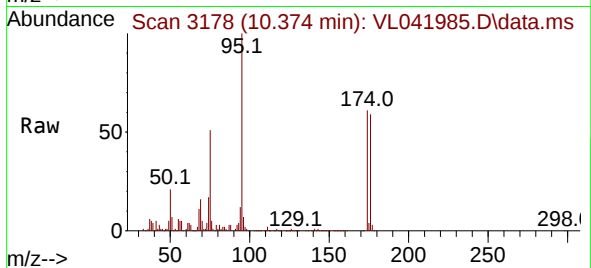
Tgt Ion:119 Resp: 6348
Ion Ratio Lower Upper
119 100
91 132.6 64.6 97.0#
134 0.0 16.8 25.2#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.555 ppbv
RT: 10.374 min Scan# 3183
Delta R.T. -0.016 min
Lab File: VL041985.D
Acq: 10 Feb 2025 13:37

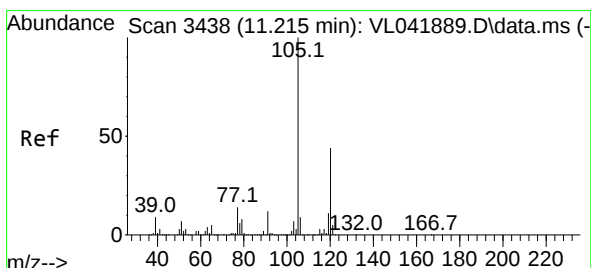
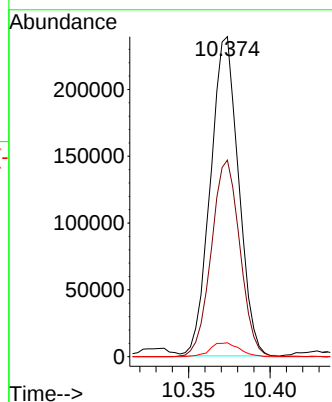
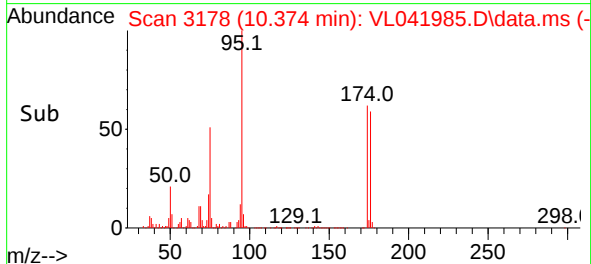
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 95 Resp: 286452
Ion Ratio Lower Upper
95 100
174 62.6 49.0 73.4
175 4.5 3.8 5.8

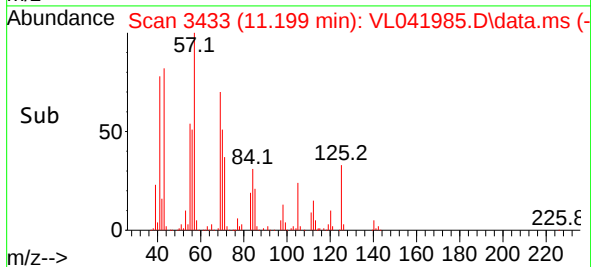
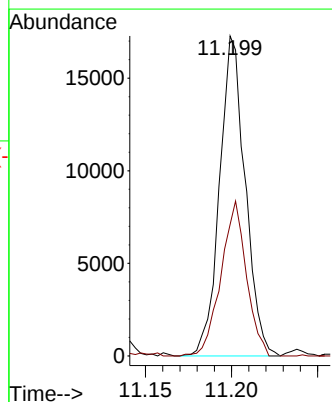
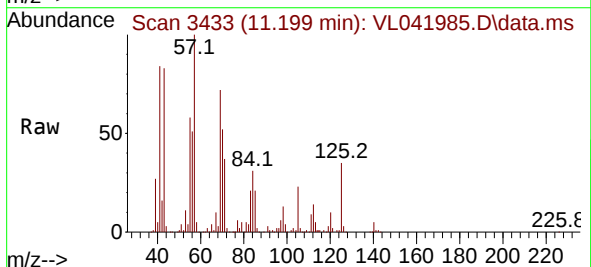
Manual Integrations
APPROVED

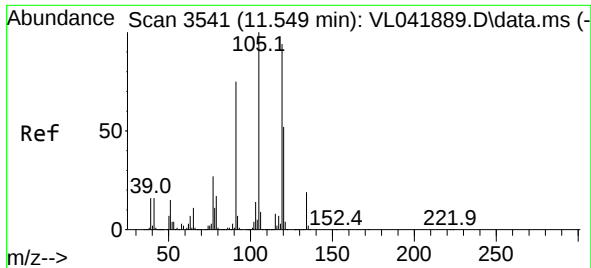
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#73
1,3,5-Trimethylbenzene
Concen: 0.358 ppbv
RT: 11.199 min Scan# 3433
Delta R.T. -0.016 min
Lab File: VL041985.D
Acq: 10 Feb 2025 13:37

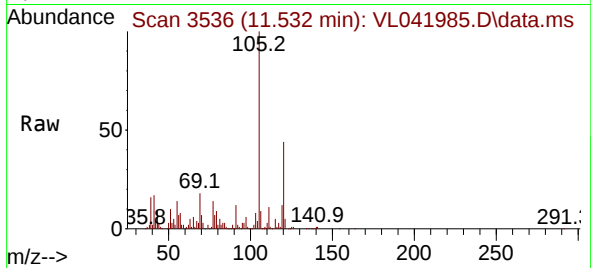
Tgt Ion:105 Resp: 17918
Ion Ratio Lower Upper
105 100
120 41.1 35.4 53.2





#74
 1,2,4-Trimethylbenzene
 Concen: 0.828 ppbv
 RT: 11.532 min Scan# 3536
 Delta R.T. -0.016 min
 Lab File: VL041985.D
 Acq: 10 Feb 2025 13:37

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



Tgt Ion:	105	Resp:	4483
Ion Ratio	Lower	Upper	
105	100		
120	43.8	41.4	62.2
91	11.6	60.2	90.2
77	12.5	22.0	33.0

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025

