

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL110425\  
 Data File : VL043144.D  
 Acq On : 04 Nov 2025 08:25  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 11/07/2025  
 Supervised By :Mahesh Dadoda 11/07/2025

Quant Time: Nov 05 05:21:55 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL101425AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 2025

QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.784 | 49   | 117523   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.955 | 114  | 381432   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.875 | 117  | 341295   | 10.000 | ppbv  | -0.01    |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 265573 10.011 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.100%

Target Compounds

|                               |       |     |        |        |        | Qvalue |
|-------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 168294 | 10.073 | ppbv   | 100    |
| 3) Chlorodifluoromethane      | 1.476 | 51  | 177115 | 9.798  | ppbv   | 97     |
| 4) Chloromethane              | 1.531 | 50  | 57108  | 8.628  | ppbv   | 98     |
| 5) Vinyl Chloride             | 1.580 | 62  | 56113  | 8.643  | ppbv   | 99     |
| 6) Bromomethane               | 1.667 | 94  | 33901  | 9.523  | ppbv   | 95     |
| 7) Chloroethane               | 1.703 | 64  | 23032  | 8.677  | ppbv   | 97     |
| 8) Dichlorotetrafluoroethane  | 1.554 | 85  | 132979 | 9.848  | ppbv   | 92     |
| 9) Propene                    | 1.482 | 41  | 70388  | 8.779  | ppbv   | 99     |
| 10) Heptane                   | 4.972 | 43  | 201076 | 8.712  | ppbv   | 97     |
| 11) Trichlorofluoromethane    | 1.877 | 101 | 177713 | 10.874 | ppbv   | 96     |
| 12) 1,1,2-Trichlorotrifluo... | 2.136 | 101 | 137928 | 10.483 | ppbv   | 95     |
| 13) Ethanol                   | 1.719 | 45  | 20803  | 7.015  | ppbv   | 97     |
| 14) Bromoethene               | 1.780 | 108 | 48939  | 10.012 | ppbv   | 99     |
| 15) Acetone                   | 1.832 | 43  | 133568 | 8.432  | ppbv   | 99     |
| 16) 1,3-Butadiene             | 1.609 | 39  | 61858  | 8.194  | ppbv   | 99     |
| 17) tert-Butyl alcohol        | 2.036 | 59  | 206105 | 9.479  | ppbv   | 99     |
| 18) 1,1-Dichloroethene        | 2.033 | 96  | 58272  | 10.159 | ppbv   | 87     |
| 19) Isopropyl Alcohol         | 1.884 | 45  | 84669  | 8.582  | ppbv   | 96     |
| 20) Methylene Chloride        | 2.059 | 84  | 52584  | 8.398  | ppbv   | 94     |
| 21) Allyl Chloride            | 2.094 | 41  | 104908 | 8.988  | ppbv   | 96     |
| 22) trans-1,2-Dichloroethene  | 2.340 | 96  | 68793  | 10.033 | ppbv   | 90     |
| 23) Vinyl Acetate             | 2.460 | 43  | 218328 | 9.409  | ppbv # | 98     |
| 24) 1,1-Dichloroethane        | 2.405 | 63  | 128643 | 9.711  | ppbv   | 99     |
| 25) Ethyl Acetate             | 2.832 | 43  | 373628 | 9.511  | ppbv   | 99     |
| 26) Hexane                    | 2.826 | 57  | 172594 | 9.535  | ppbv   | 96     |
| 27) Carbon Disulfide          | 2.149 | 76  | 167299 | 10.088 | ppbv   | 97     |
| 28) Methyl tert-Butyl Ether   | 2.437 | 73  | 73873  | 8.971  | ppbv   | 94     |
| 29) Chloroform                | 2.845 | 83  | 277911 | 10.597 | ppbv   | 98     |
| 30) Cyclohexane               | 3.852 | 84  | 148884 | 9.424  | ppbv   | 94     |
| 31) cis-1,2-Dichloroethene    | 2.719 | 61  | 178157 | 10.308 | ppbv   | 91     |
| 32) 1,1,1-Trichloroethane     | 3.363 | 97  | 285148 | 10.441 | ppbv   | 99     |
| 34) 2-Butanone                | 2.554 | 43  | 244004 | 9.517  | ppbv   | 97     |
| 35) Carbon Tetrachloride      | 3.758 | 117 | 298090 | 10.870 | ppbv   | 97     |
| 36) Benzene                   | 3.651 | 78  | 355254 | 9.889  | ppbv   | 98     |
| 37) 1,2-Dichloroethane        | 3.214 | 62  | 213056 | 10.295 | ppbv   | 98     |
| 38) Trichloroethene           | 4.544 | 130 | 142465 | 9.495  | ppbv   | 95     |
| 39) 1,2-Dichloropropane       | 4.308 | 63  | 125672 | 9.569  | ppbv   | 95     |
| 40) 1,4-Dioxane               | 4.567 | 88  | 56126  | 9.550  | ppbv # | 91     |
| 41) Tetrahydrofuran           | 3.046 | 42  | 126807 | 8.843  | ppbv   | 95     |
| 42) Bromodichloromethane      | 4.483 | 83  | 303962 | 10.612 | ppbv   | 97     |
| 43) Methyl Methacrylate       | 4.868 | 69  | 170573 | 9.348  | ppbv   | 97     |
| 44) 2,2,4-Trimethylpentane    | 4.635 | 57  | 564212 | 9.309  | ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 6.409 | 75  | 178441 | 9.745  | ppbv   | 95     |

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 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 11/07/2025  
 Supervised By :Mahesh Dadoda 11/07/2025

Quant Time: Nov 05 05:21:55 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL101425AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 2

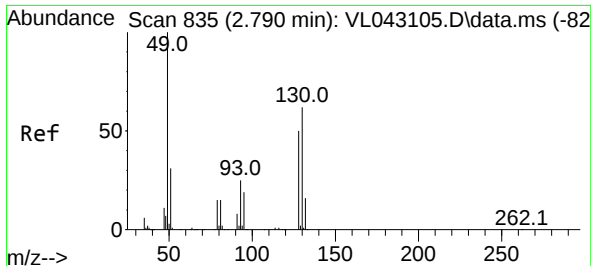
QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.593  | 75   | 214624   | 9.812  | ppbv   | 97       |
| 47) 1,1,2-Trichloroethane     | 6.574  | 97   | 139574   | 9.841  | ppbv   | 95       |
| 48) Dibromochloromethane      | 7.380  | 129  | 248108   | 10.463 | ppbv   | 99       |
| 49) Bromoform                 | 9.477  | 173  | 214923   | 11.150 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 5.739  | 43   | 313044   | 8.847  | ppbv   | 98       |
| 51) 2-Hexanone                | 7.428  | 43   | 243816   | 9.186  | ppbv # | 99       |
| 52) Tetrachloroethene         | 8.218  | 164  | 130481   | 10.072 | ppbv   | 97       |
| 53) Toluene                   | 6.926  | 91   | 403111   | 9.454  | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 7.645  | 107  | 220541   | 9.928  | ppbv   | 99       |
| 56) 1,1,1,2-Tetrachloroethane | 8.920  | 131  | 225896   | 10.500 | ppbv   | 98       |
| 57) Chlorobenzene             | 8.917  | 112  | 307315   | 9.625  | ppbv   | 99       |
| 58) Ethyl Benzene             | 9.351  | 91   | 563346   | 9.618  | ppbv   | 100      |
| 59) m/p-Xylene                | 9.548  | 91   | 902891m  | 19.326 | ppbv   |          |
| 60) o-Xylene                  | 9.959  | 91   | 450523   | 9.764  | ppbv   | 100      |
| 61) Styrene                   | 9.865  | 104  | 198862   | 9.547  | ppbv   | 99       |
| 62) Isopropylbenzene          | 10.535 | 105  | 807370   | 9.683  | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 9.959  | 83   | 283373   | 9.172  | ppbv   | 99       |
| 64) n-propylbenzene           | 10.985 | 120  | 210081   | 9.517  | ppbv   | 97       |
| 65) tert-Butylbenzene         | 11.529 | 119  | 685817   | 9.314  | ppbv   | 98       |
| 66) Benzyl Chloride           | 11.613 | 91   | 70071    | 8.551  | ppbv   | 100      |
| 67) sec-Butylbenzene          | 11.765 | 105  | 982589   | 9.403  | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 11.924 | 119  | 828649   | 9.332  | ppbv   | 98       |
| 70) n-Butylbenzene            | 12.280 | 91   | 826157   | 9.441  | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 10.898 | 91   | 611331   | 9.613  | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 11.121 | 105  | 544492   | 9.597  | ppbv   | 100      |
| 73) 1,3,5-Trimethylbenzene    | 11.199 | 105  | 458339   | 9.795  | ppbv   | 94       |
| 74) 1,2,4-Trimethylbenzene    | 11.535 | 105  | 492936   | 9.414  | ppbv # | 86       |
| 75) 1,3-Dichlorobenzene       | 11.603 | 146  | 300899   | 9.908  | ppbv   | 98       |
| 76) 1,4-Dichlorobenzene       | 11.668 | 146  | 305313   | 9.970  | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 11.943 | 146  | 286249   | 9.743  | ppbv   | 98       |
| 78) Hexachloro-1,3-Butadiene  | 13.879 | 225  | 215505   | 9.474  | ppbv   | 99       |
| 79) Naphthalene               | 13.510 | 128  | 510850   | 9.334  | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 14.455 | 142  | 156960   | 11.008 | ppbv   | 97       |
| 81) 1,2,4-Trichlorobenzene    | 13.439 | 180  | 229907   | 10.121 | ppbv   | 99       |

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





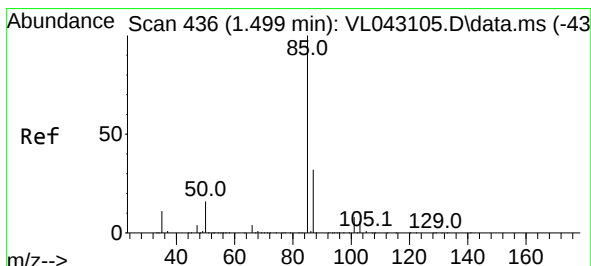
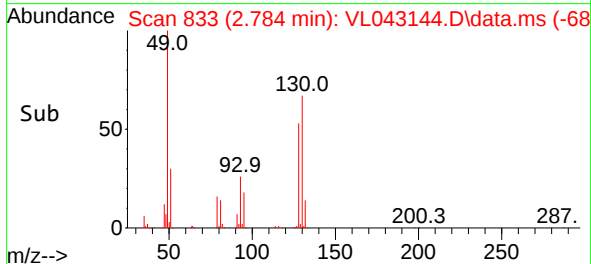
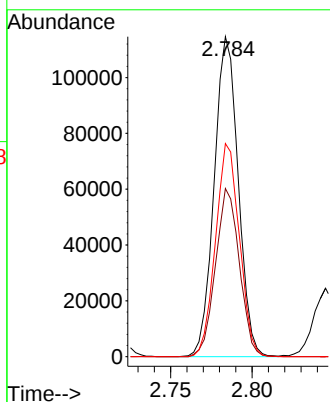
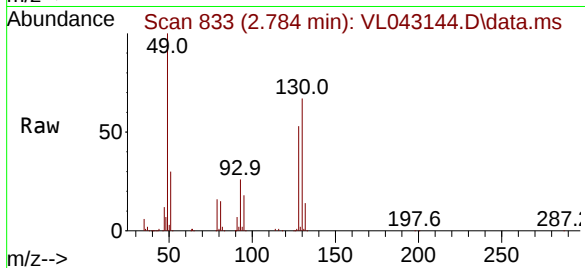
#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.784 min Scan# 811  
Delta R.T. -0.006 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 49 Resp: 11752  
Ion Ratio Lower Upper  
49 100  
128 52.1 24.4 73.4  
130 66.1 31.0 93.0

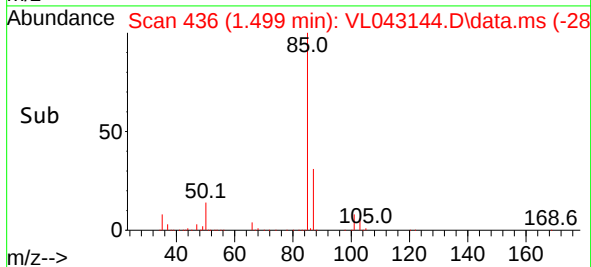
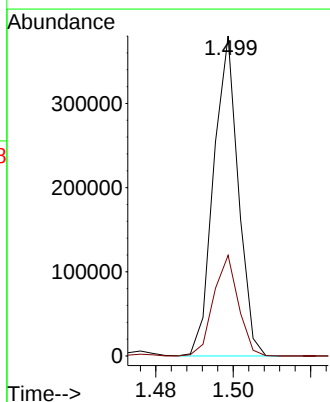
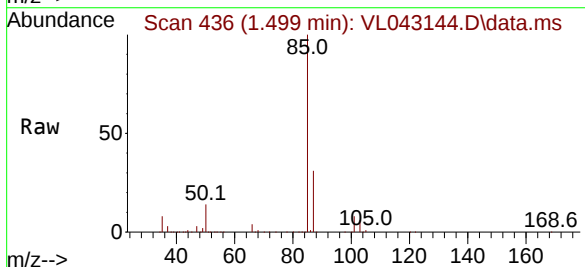
Manual Integrations  
APPROVED

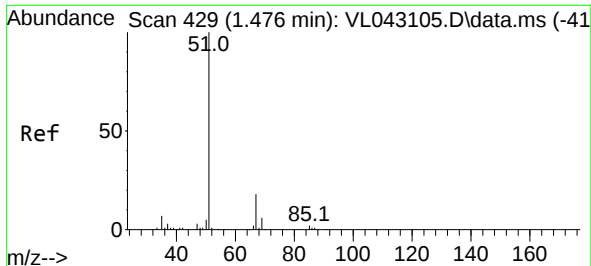
Reviewed By :Amit Patel 11/07/2025  
Supervised By :Mahesh Dadoda 11/07/2025



#2  
Dichlorodifluoromethane  
Concen: 10.073 ppbv  
RT: 1.499 min Scan# 436  
Delta R.T. -0.000 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

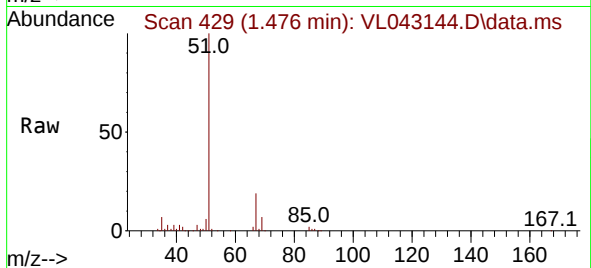
Tgt Ion: 85 Resp: 168294  
Ion Ratio Lower Upper  
85 100  
87 31.4 25.3 37.9





#3  
Chlorodifluoromethane  
Concen: 9.798 ppbv  
RT: 1.476 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

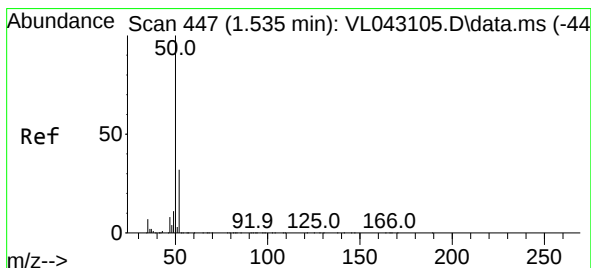
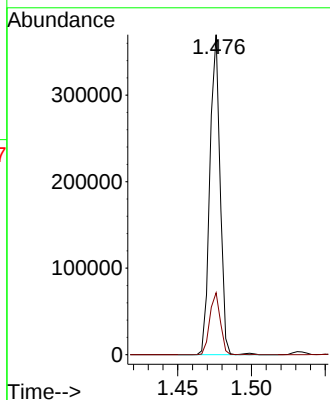
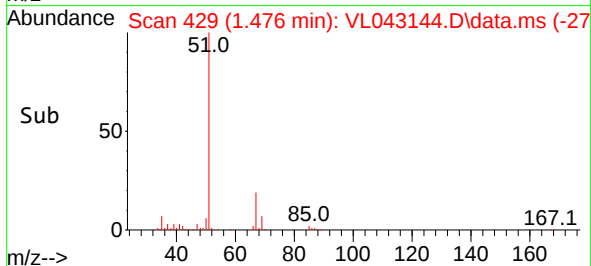
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



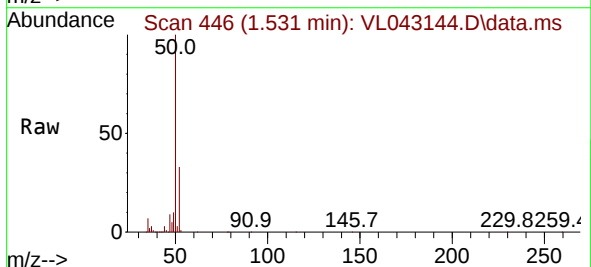
Tgt Ion: 51 Resp: 177111  
Ion Ratio Lower Upper  
51 100  
67 20.1 15.1 22.7

Manual Integrations  
APPROVED

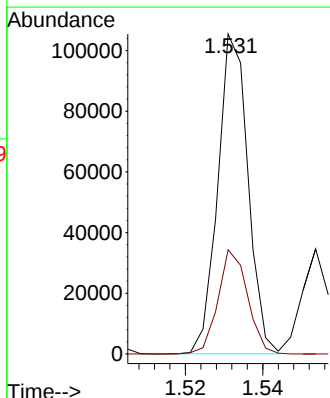
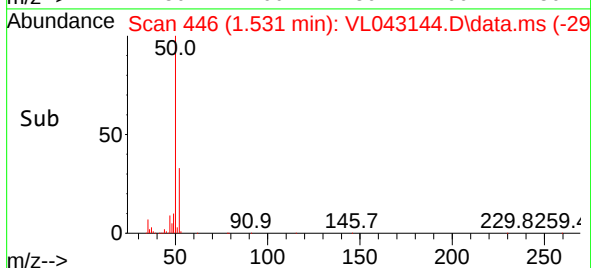
Reviewed By :Amit Patel 11/07/2025  
Supervised By :Mahesh Dadoda 11/07/2025

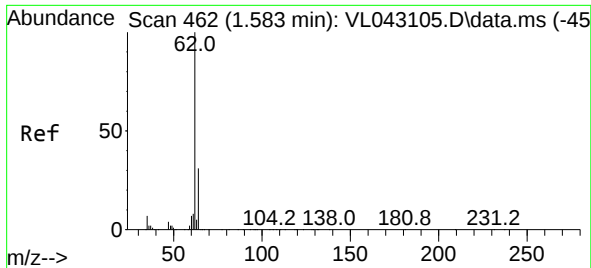


#4  
Chloromethane  
Concen: 8.628 ppbv  
RT: 1.531 min Scan# 446  
Delta R.T. -0.004 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25



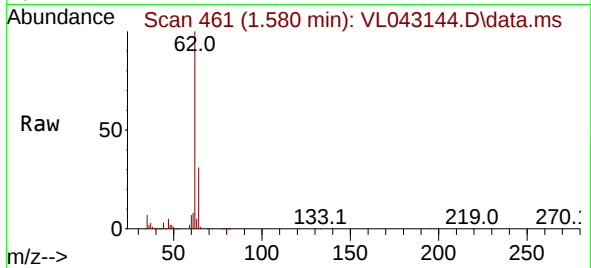
Tgt Ion: 50 Resp: 57108  
Ion Ratio Lower Upper  
50 100  
52 32.6 25.2 37.8





#5  
 Vinyl Chloride  
 Concen: 8.643 ppbv  
 RT: 1.580 min Scan# 461  
 Delta R.T. -0.004 min  
 Lab File: VL043144.D  
 Acq: 04 Nov 2025 08:25

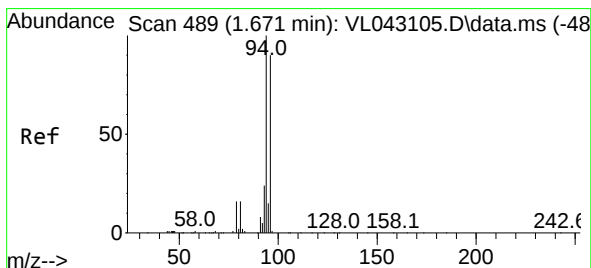
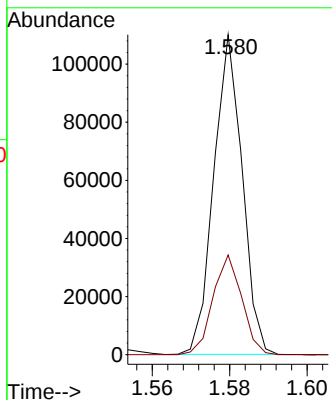
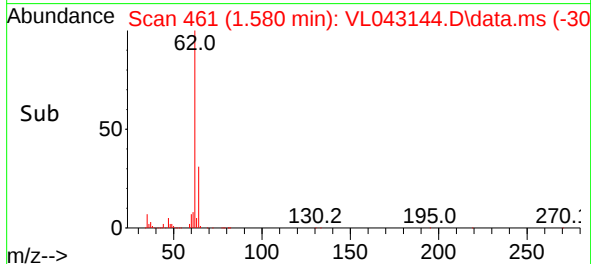
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



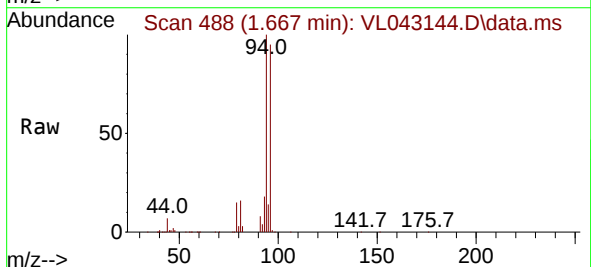
Tgt Ion: 62 Resp: 5611  
 Ion Ratio Lower Upper  
 62 100  
 64 31.2 24.6 36.8

Manual Integrations  
 APPROVED

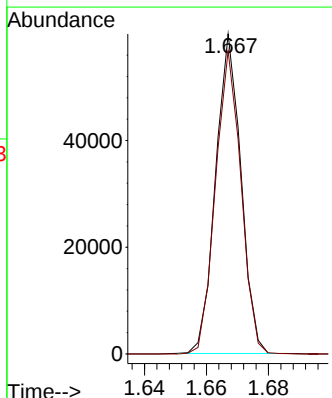
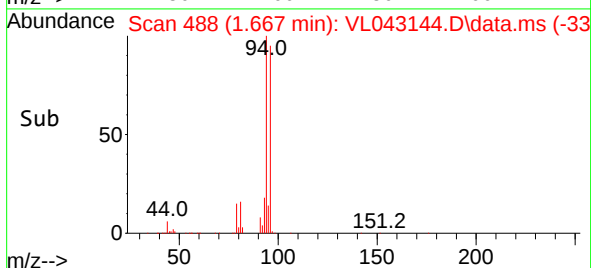
Reviewed By :Amit Patel 11/07/2025  
 Supervised By :Mahesh Dadoda 11/07/2025

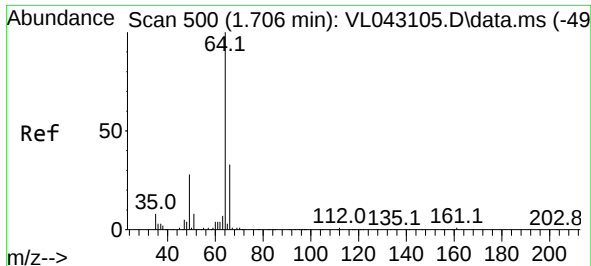


#6  
 Bromomethane  
 Concen: 9.523 ppbv  
 RT: 1.667 min Scan# 488  
 Delta R.T. -0.004 min  
 Lab File: VL043144.D  
 Acq: 04 Nov 2025 08:25



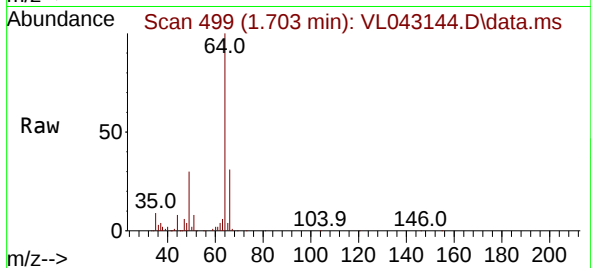
Tgt Ion: 94 Resp: 33901  
 Ion Ratio Lower Upper  
 94 100  
 96 95.0 72.2 108.4





#7  
Chloroethane  
Concen: 8.677 ppbv  
RT: 1.703 min Scan# 499  
Delta R.T. -0.004 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

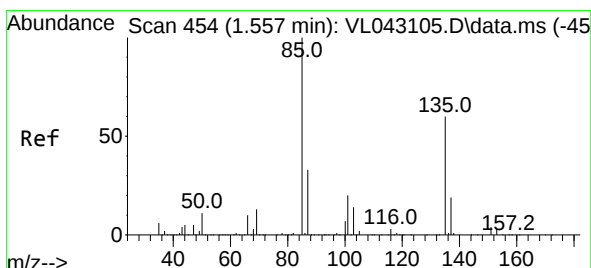
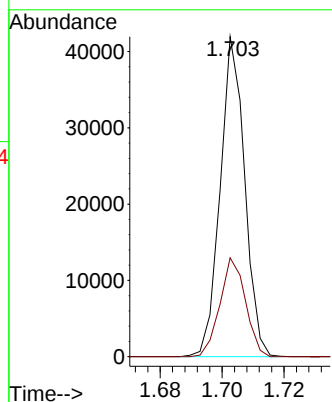
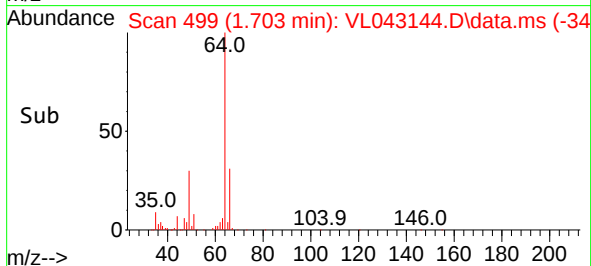
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



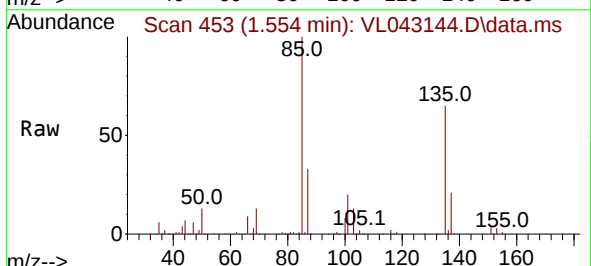
Tgt Ion: 64 Resp: 23032  
Ion Ratio Lower Upper  
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66 30.9 26.0 39.0

Manual Integrations  
APPROVED

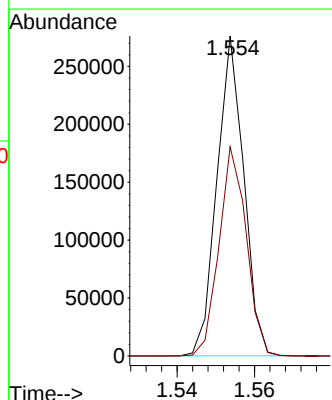
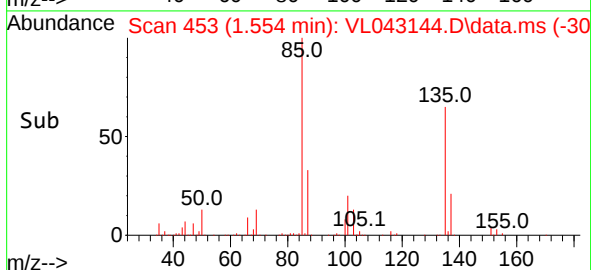
Reviewed By :Amit Patel 11/07/2025  
Supervised By :Mahesh Dadoda 11/07/2025

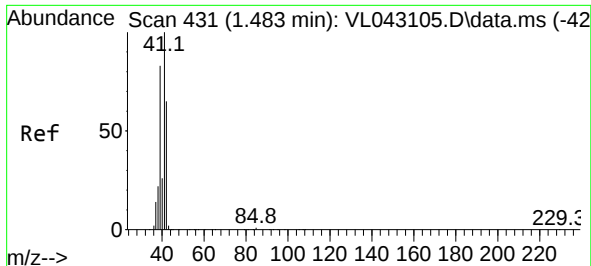


#8  
Dichlorotetrafluoroethane  
Concen: 9.848 ppbv  
RT: 1.554 min Scan# 453  
Delta R.T. -0.004 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25



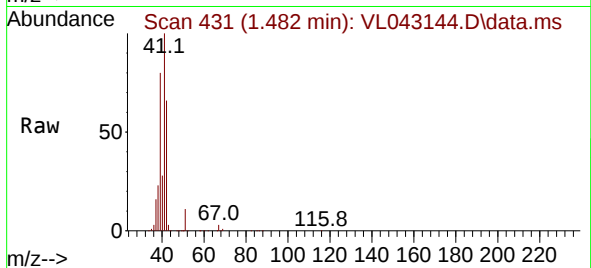
Tgt Ion: 85 Resp: 132979  
Ion Ratio Lower Upper  
85 100  
135 66.4 48.2 72.4





#9  
 Propene  
 Concen: 8.779 ppbv  
 RT: 1.482 min Scan# 41  
 Delta R.T. -0.000 min  
 Lab File: VL043144.D  
 Acq: 04 Nov 2025 08:25

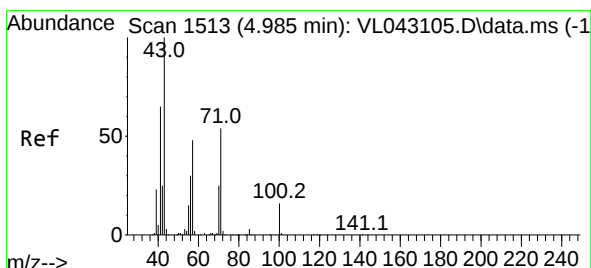
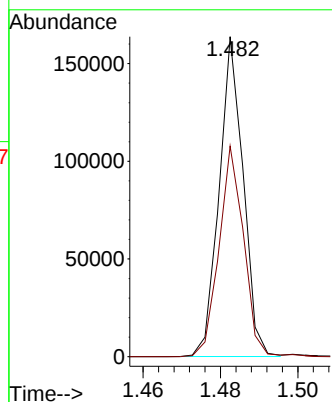
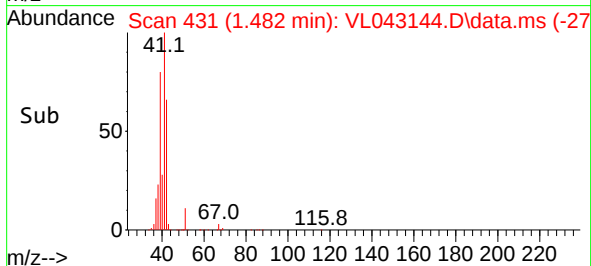
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



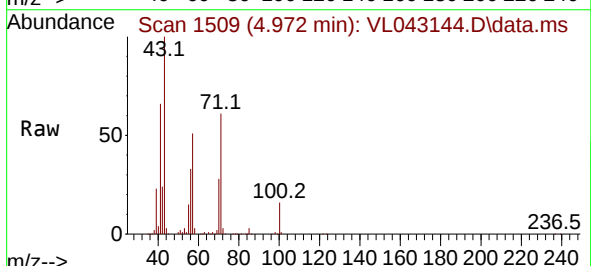
Tgt Ion: 41 Resp: 70388  
 Ion Ratio Lower Upper  
 41 100  
 42 68.0 55.1 82.7

Manual Integrations  
 APPROVED

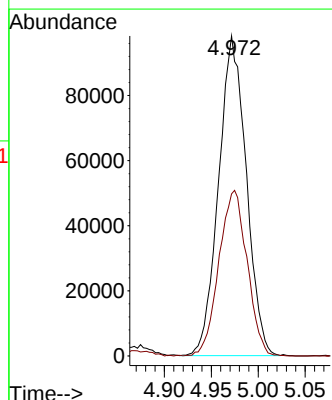
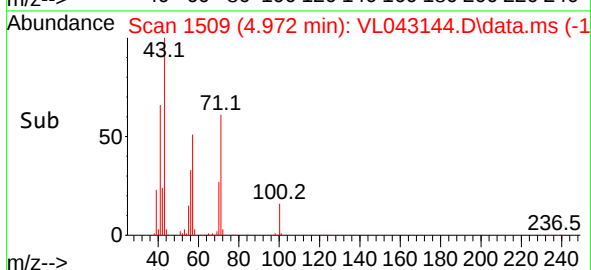
Reviewed By :Amit Patel 11/07/2025  
 Supervised By :Mahesh Dadoda 11/07/2025

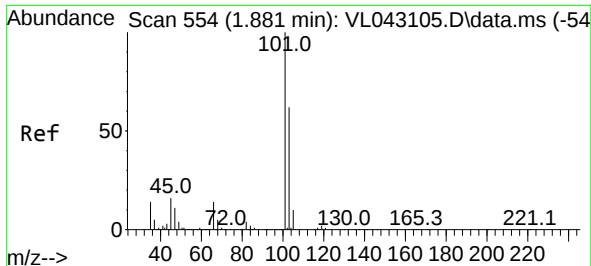


#10  
 Heptane  
 Concen: 8.712 ppbv  
 RT: 4.972 min Scan# 1509  
 Delta R.T. -0.013 min  
 Lab File: VL043144.D  
 Acq: 04 Nov 2025 08:25



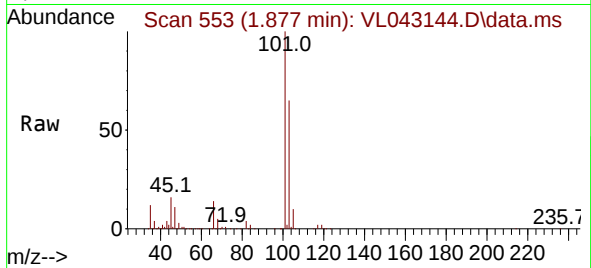
Tgt Ion: 43 Resp: 201076  
 Ion Ratio Lower Upper  
 43 100  
 57 52.9 40.8 61.2





#11  
 Trichlorofluoromethane  
 Concen: 10.874 ppbv  
 RT: 1.877 min Scan# 511  
 Delta R.T. -0.004 min  
 Lab File: VL043144.D  
 Acq: 04 Nov 2025 08:25

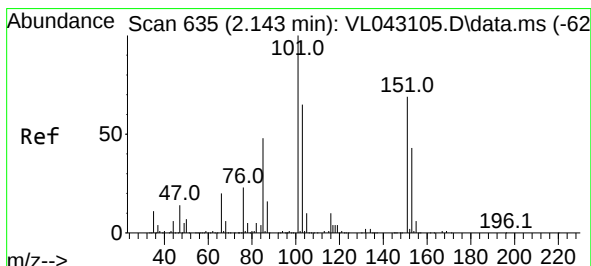
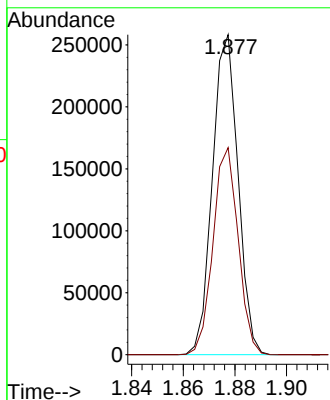
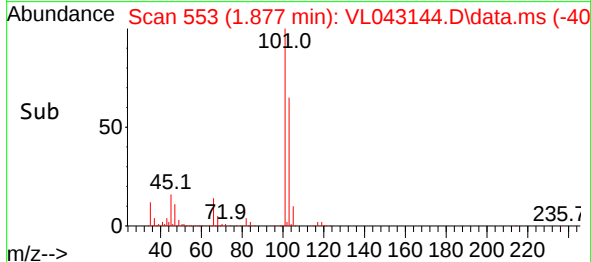
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



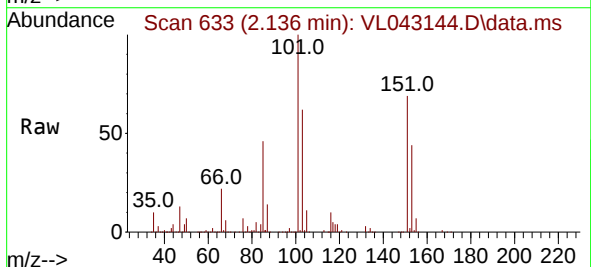
Tgt Ion:101 Resp: 17771  
 Ion Ratio Lower Upper  
 101 100  
 103 64.7 49.3 73.9

Manual Integrations  
 APPROVED

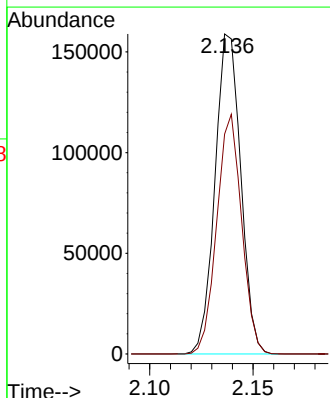
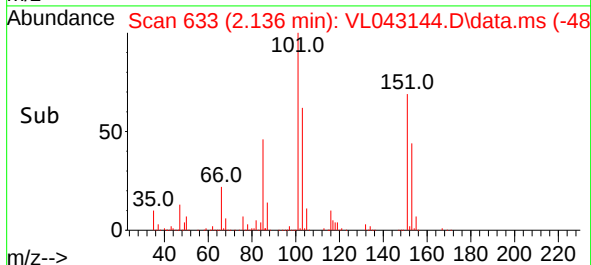
Reviewed By :Amit Patel 11/07/2025  
 Supervised By :Mahesh Dadoda 11/07/2025

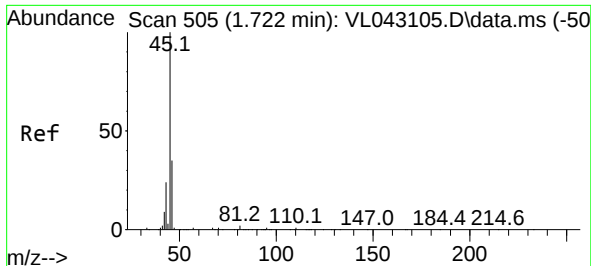


#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 10.483 ppbv  
 RT: 2.136 min Scan# 633  
 Delta R.T. -0.007 min  
 Lab File: VL043144.D  
 Acq: 04 Nov 2025 08:25



Tgt Ion:101 Resp: 137928  
 Ion Ratio Lower Upper  
 101 100  
 151 72.3 54.7 82.1





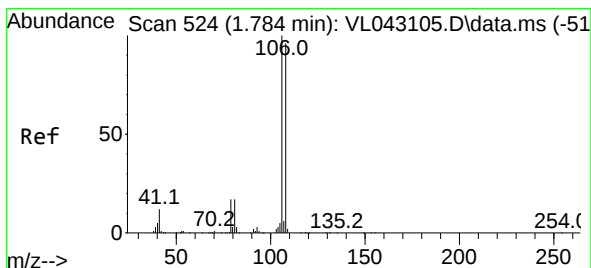
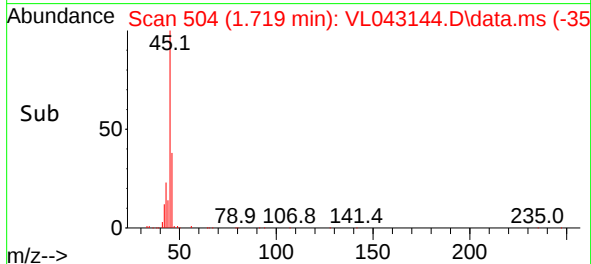
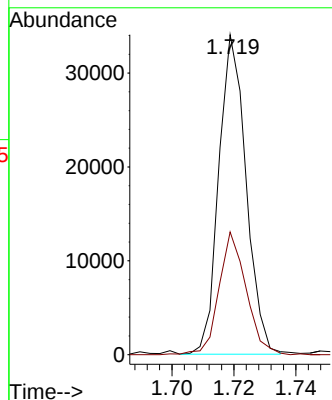
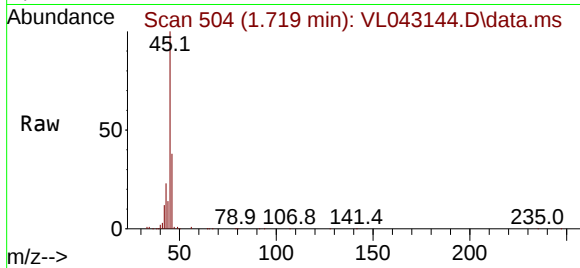
#13  
Ethanol  
Concen: 7.015 ppbv  
RT: 1.719 min Scan# 505  
Delta R.T. -0.004 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 45 Resp: 2080  
Ion Ratio Lower Upper  
45 100  
46 38.4 14.7 58.9

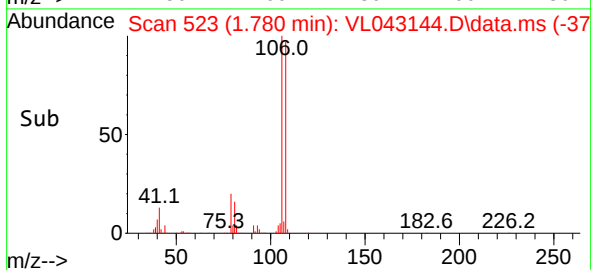
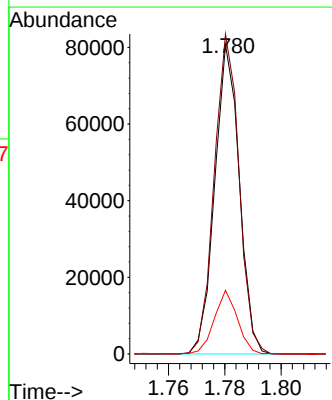
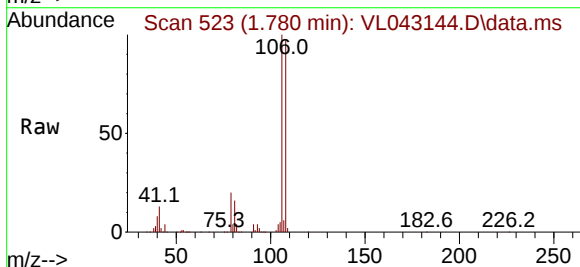
Manual Integrations  
APPROVED

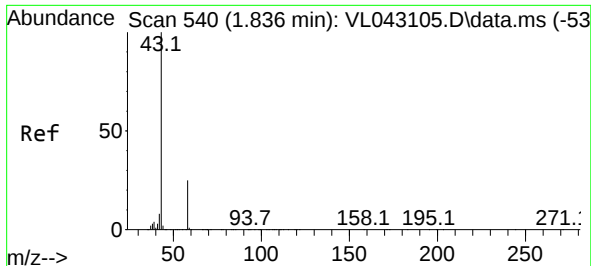
Reviewed By :Amit Patel 11/07/2025  
Supervised By :Mahesh Dadoda 11/07/2025



#14  
Bromoethene  
Concen: 10.012 ppbv  
RT: 1.780 min Scan# 523  
Delta R.T. -0.004 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

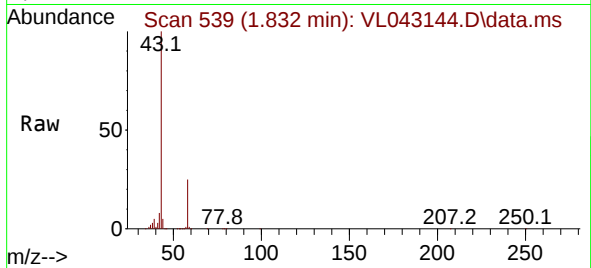
Tgt Ion:108 Resp: 48939  
Ion Ratio Lower Upper  
108 100  
106 104.0 84.4 126.6  
79 19.7 15.3 22.9





#15  
Acetone  
Concen: 8.432 ppbv  
RT: 1.832 min Scan# 51  
Delta R.T. -0.004 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

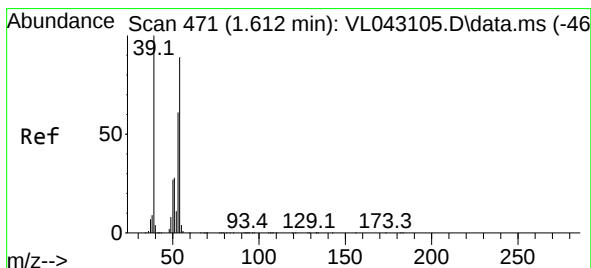
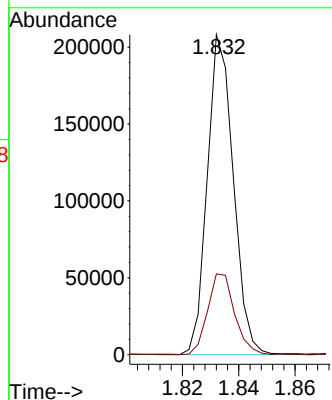
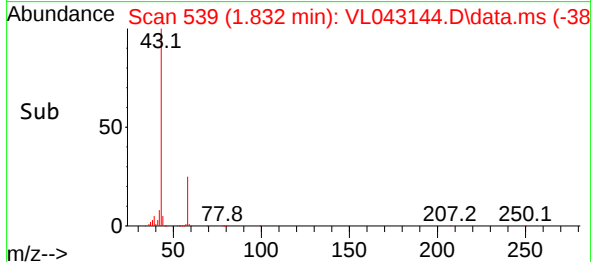
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 43 Resp: 13356  
Ion Ratio Lower Upper  
43 100  
58 26.5 20.8 31.2

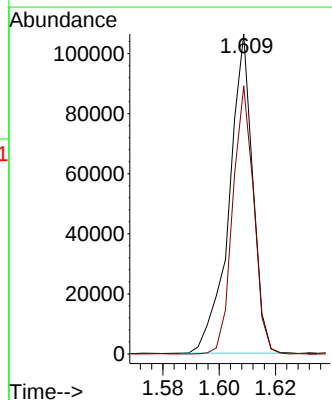
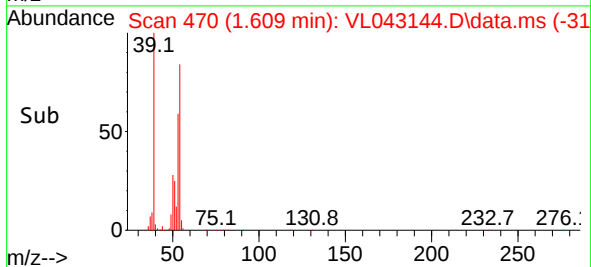
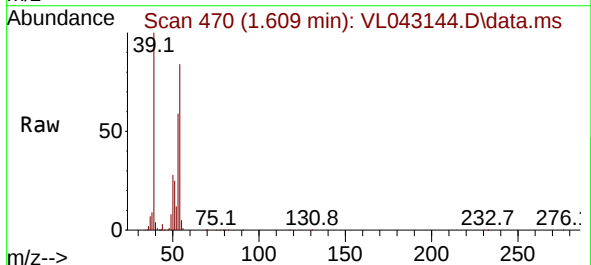
Manual Integrations  
APPROVED

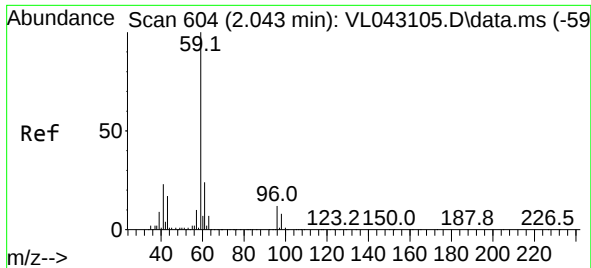
Reviewed By :Amit Patel 11/07/2025  
Supervised By :Mahesh Dadoda 11/07/2025



#16  
1,3-Butadiene  
Concen: 8.194 ppbv  
RT: 1.609 min Scan# 470  
Delta R.T. -0.004 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

Tgt Ion: 39 Resp: 61858  
Ion Ratio Lower Upper  
39 100  
54 74.4 59.0 88.4





#17

tert-Butyl alcohol

Concen: 9.479 ppbv

RT: 2.036 min Scan# 601

Delta R.T. -0.007 min

Lab File: VL043144.D

Acq: 04 Nov 2025 08:25

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 59 Resp: 20610

Ion Ratio Lower Upper

59 100

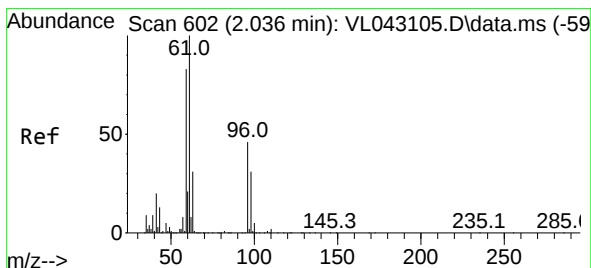
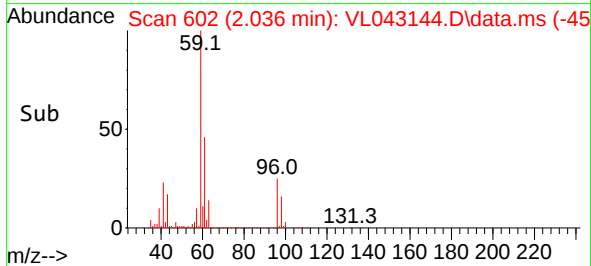
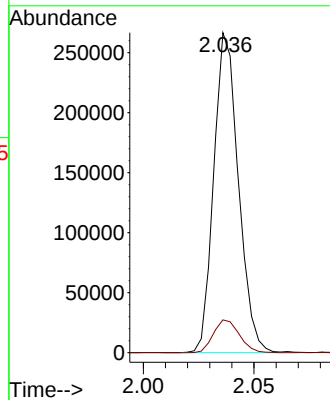
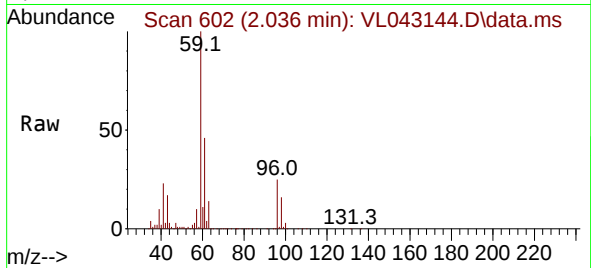
57 10.9 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#18

1,1-Dichloroethene

Concen: 10.159 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.004 min

Lab File: VL043144.D

Acq: 04 Nov 2025 08:25

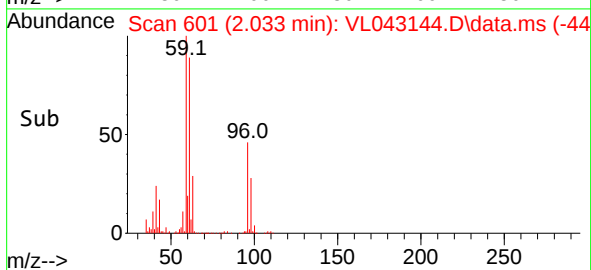
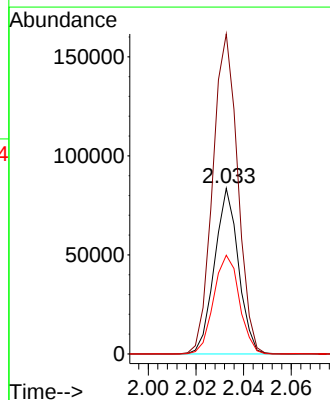
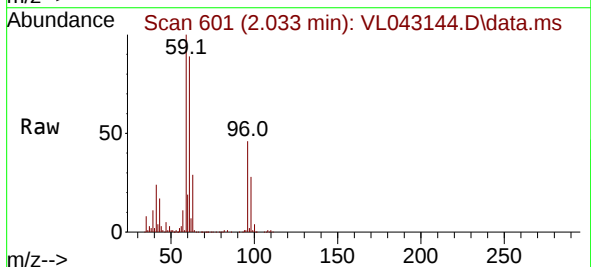
Tgt Ion: 96 Resp: 58272

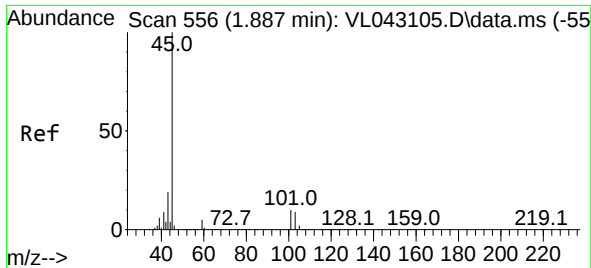
Ion Ratio Lower Upper

96 100

61 193.1 173.4 260.0

98 59.6 53.2 79.8





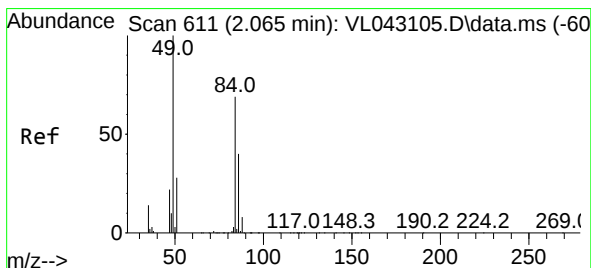
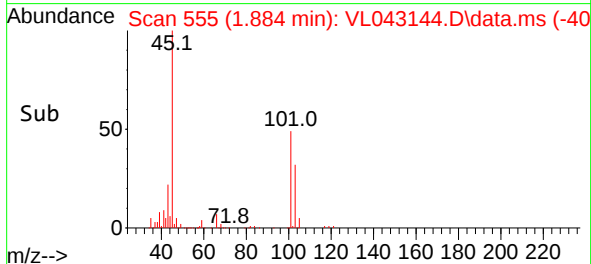
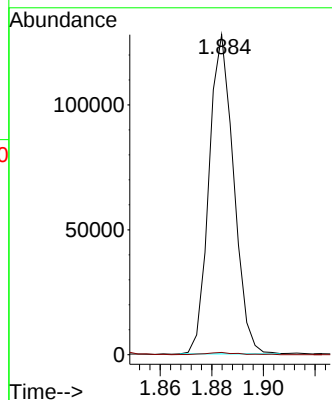
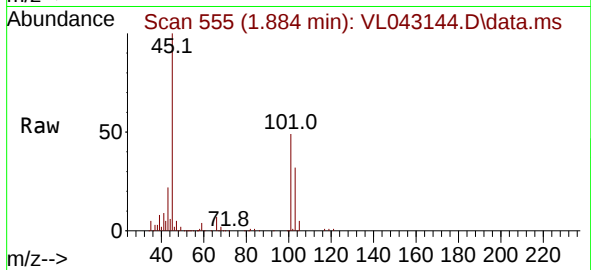
#19  
Isopropyl Alcohol  
Concen: 8.582 ppbv  
RT: 1.884 min Scan# 51  
Delta R.T. -0.004 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 45 Resp: 84669  
Ion Ratio Lower Upper  
45 100  
58 41.7 31.3 46.9

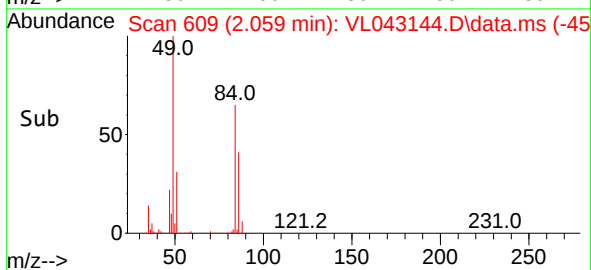
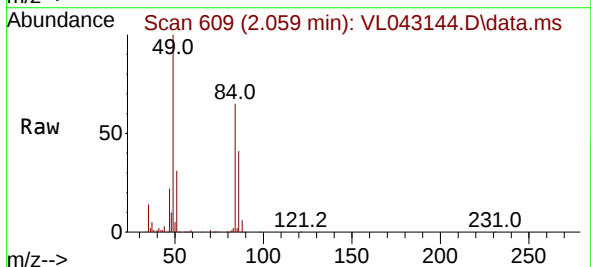
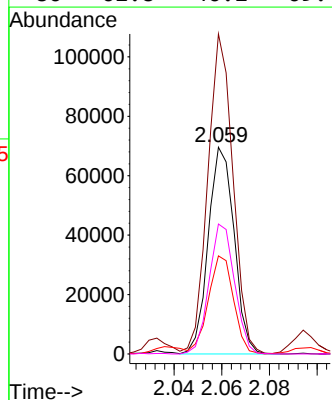
Manual Integrations  
APPROVED

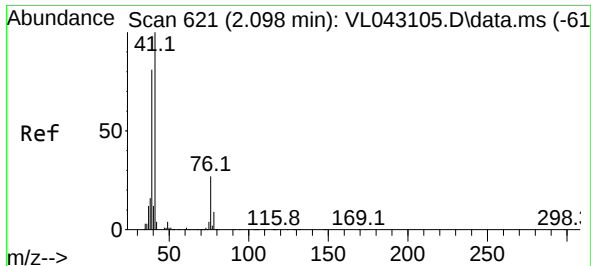
Reviewed By :Amit Patel 11/07/2025  
Supervised By :Mahesh Dadoda 11/07/2025



#20  
Methylene Chloride  
Concen: 8.398 ppbv  
RT: 2.059 min Scan# 609  
Delta R.T. -0.007 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

Tgt Ion: 84 Resp: 52584  
Ion Ratio Lower Upper  
84 100  
49 153.9 116.6 175.0  
51 46.9 34.8 52.2  
86 62.8 46.2 69.4





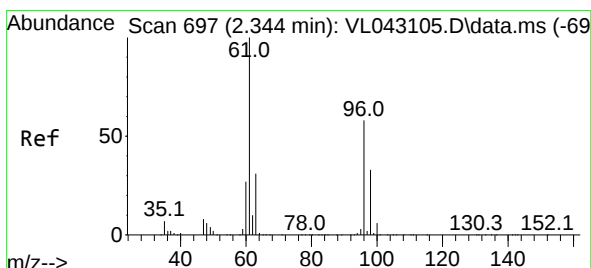
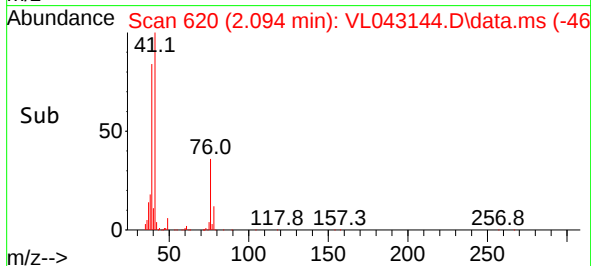
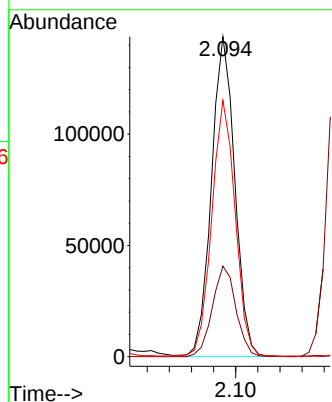
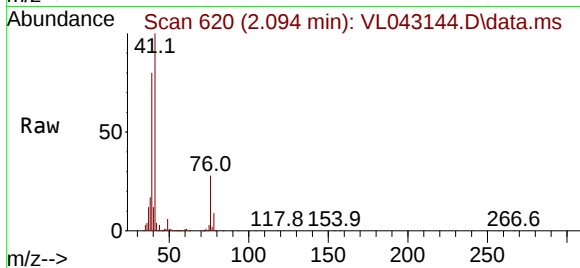
#21  
 Allyl Chloride  
 Concen: 8.988 ppbv  
 RT: 2.094 min Scan# 61  
 Delta R.T. -0.004 min  
 Lab File: VL043144.D  
 Acq: 04 Nov 2025 08:25

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

Tgt Ion: 41 Resp: 104908  
 Ion Ratio Lower Upper  
 41 100  
 76 28.6 21.5 32.3  
 39 80.1 60.8 91.2

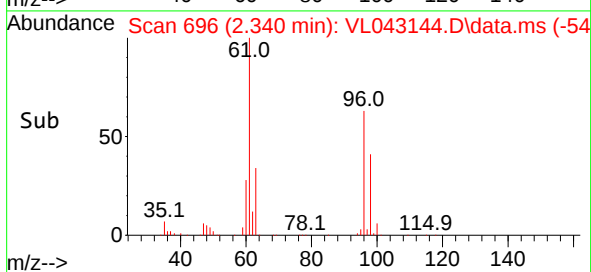
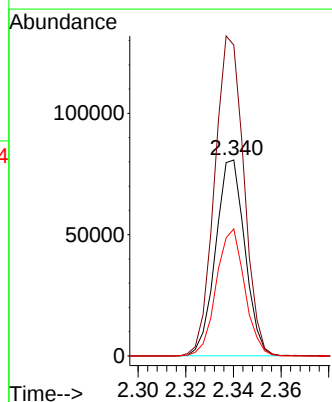
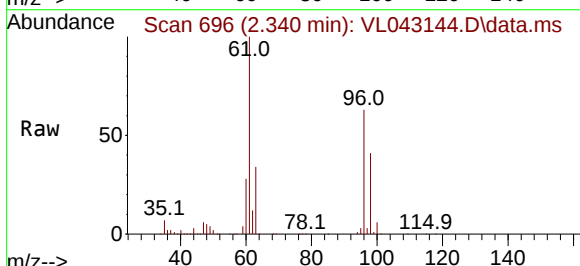
Manual Integrations  
 APPROVED

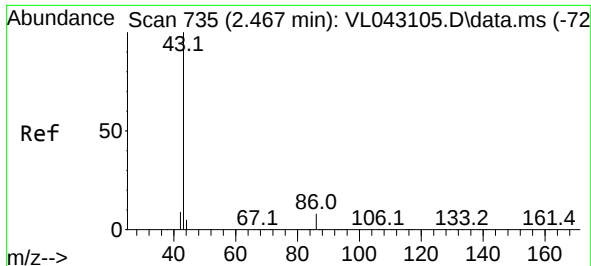
Reviewed By :Amit Patel 11/07/2025  
 Supervised By :Mahesh Dadoda 11/07/2025



#22  
 trans-1,2-Dichloroethene  
 Concen: 10.033 ppbv  
 RT: 2.340 min Scan# 696  
 Delta R.T. -0.004 min  
 Lab File: VL043144.D  
 Acq: 04 Nov 2025 08:25

Tgt Ion: 96 Resp: 68793  
 Ion Ratio Lower Upper  
 96 100  
 61 158.7 137.0 205.6  
 98 64.8 45.5 68.3





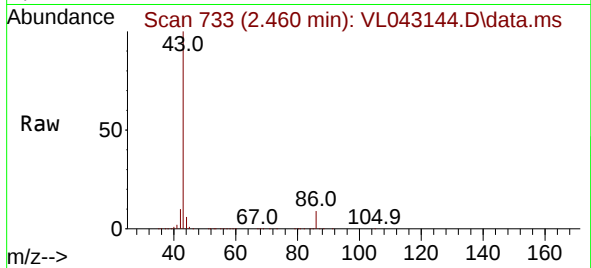
#23  
 Vinyl Acetate  
 Concen: 9.409 ppbv  
 RT: 2.460 min Scan# 716  
 Delta R.T. -0.007 min  
 Lab File: VL043144.D  
 Acq: 04 Nov 2025 08:25

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010



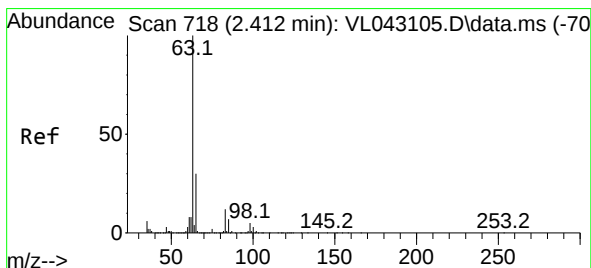
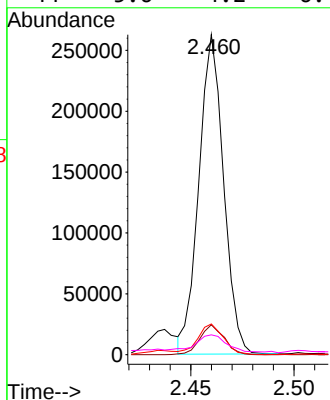
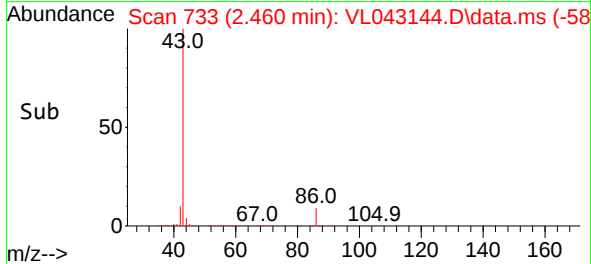
Tgt Ion: 43 Resp: 218328  
 Ion Ratio Lower Upper  
 43 100  
 86 9.4 6.2 9.2  
 42 9.3 7.6 11.4  
 44 5.6 4.2 6.4

Manual Integrations

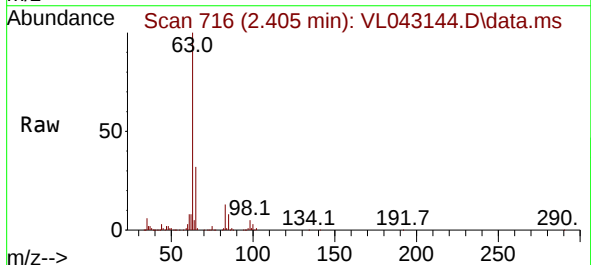
APPROVED

Reviewed By :Amit Patel 11/07/2025

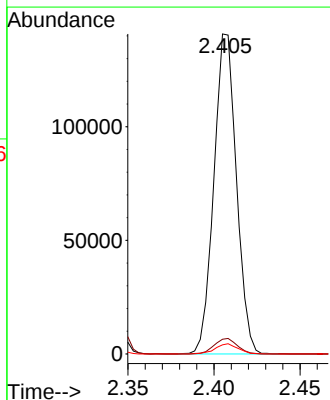
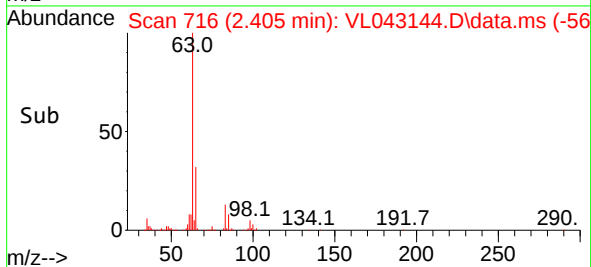
Supervised By :Mahesh Dadoda 11/07/2025

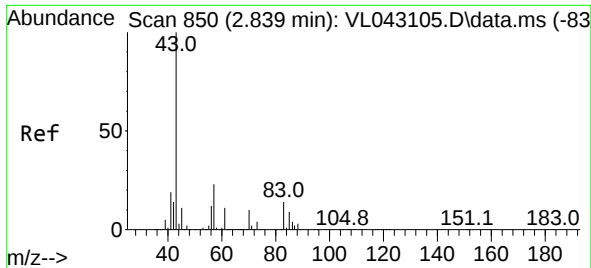


#24  
 1,1-Dichloroethane  
 Concen: 9.711 ppbv  
 RT: 2.405 min Scan# 716  
 Delta R.T. -0.007 min  
 Lab File: VL043144.D  
 Acq: 04 Nov 2025 08:25



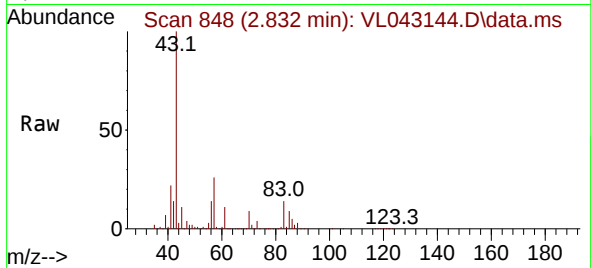
Tgt Ion: 63 Resp: 128643  
 Ion Ratio Lower Upper  
 63 100  
 98 4.6 2.6 7.8  
 100 2.9 1.5 4.4





#25  
Ethyl Acetate  
Concen: 9.511 ppbv  
RT: 2.832 min Scan# 848  
Delta R.T. -0.007 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

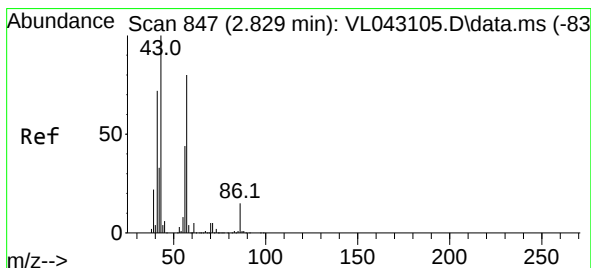
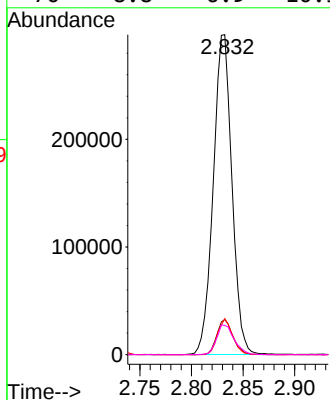
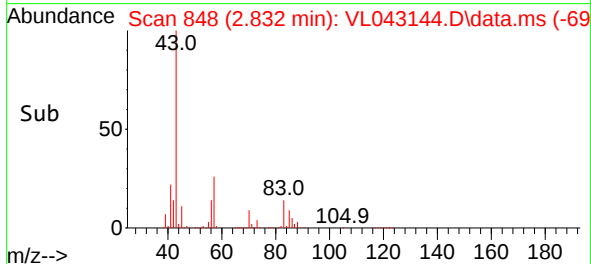
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



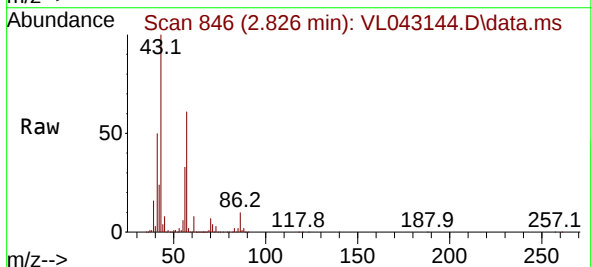
Tgt Ion: 43 Resp: 373628  
Ion Ratio Lower Upper  
43 100  
45 9.5 7.8 11.8  
61 9.1 7.0 10.6  
70 8.8 6.9 10.3

Manual Integrations  
APPROVED

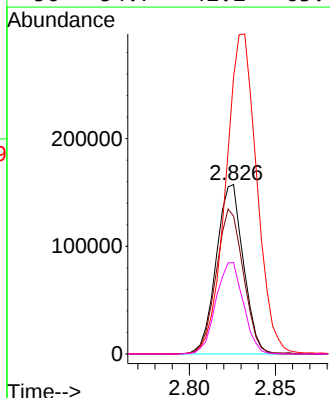
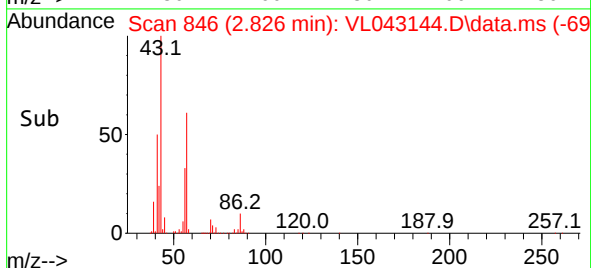
Reviewed By :Amit Patel 11/07/2025  
Supervised By :Mahesh Dadoda 11/07/2025

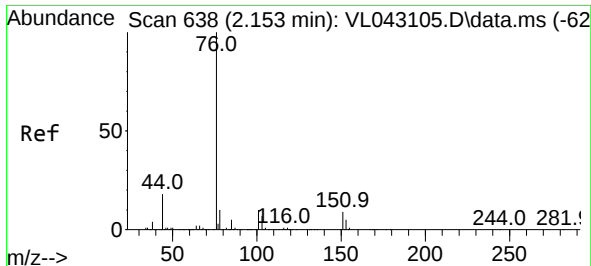


#26  
Hexane  
Concen: 9.535 ppbv  
RT: 2.826 min Scan# 846  
Delta R.T. -0.004 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25



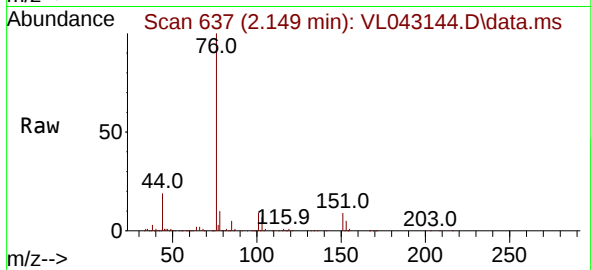
Tgt Ion: 57 Resp: 172594  
Ion Ratio Lower Upper  
57 100  
41 86.6 71.4 107.0  
43 216.5 178.5 267.7  
56 54.7 42.2 63.4





#27  
Carbon Disulfide  
Concen: 10.088 ppbv  
RT: 2.149 min Scan# 61  
Delta R.T. -0.004 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

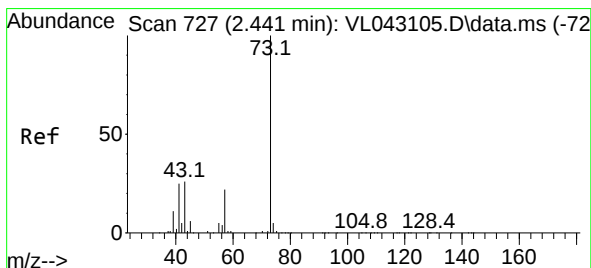
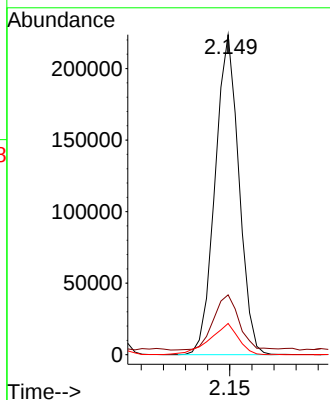
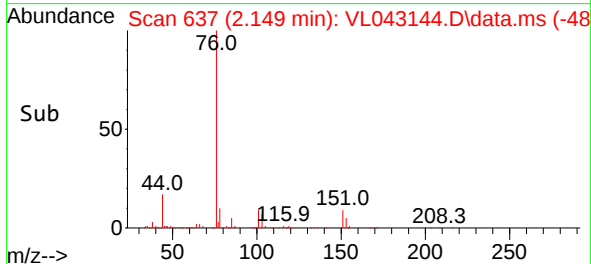
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



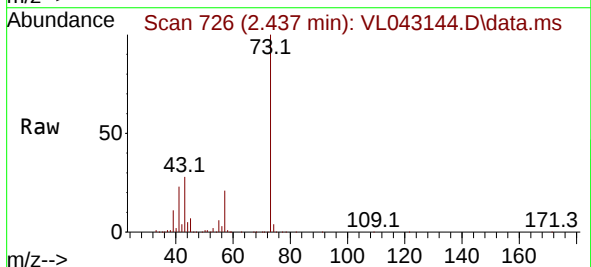
Tgt Ion: 76 Resp: 167299  
Ion Ratio Lower Upper  
76 100  
44 18.9 16.7 25.1  
78 11.6 9.3 13.9

Manual Integrations  
APPROVED

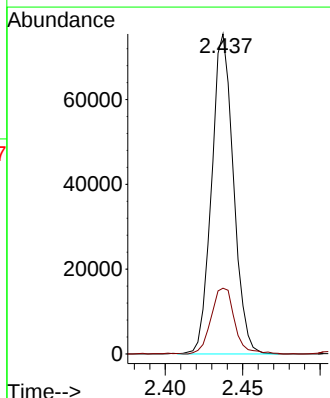
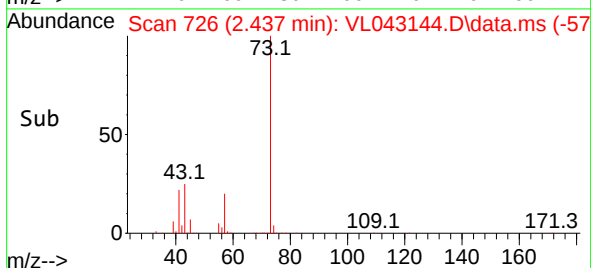
Reviewed By :Amit Patel 11/07/2025  
Supervised By :Mahesh Dadoda 11/07/2025

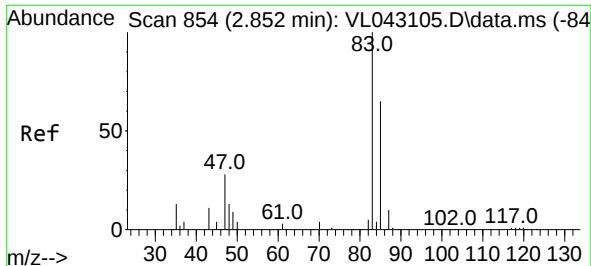


#28  
Methyl tert-Butyl Ether  
Concen: 8.971 ppbv  
RT: 2.437 min Scan# 726  
Delta R.T. -0.004 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25



Tgt Ion: 73 Resp: 73873  
Ion Ratio Lower Upper  
73 100  
57 22.4 20.5 30.7





#29

Chloroform

Concen: 10.597 ppbv

RT: 2.845 min Scan# 81

Delta R.T. -0.007 min

Lab File: VL043144.D

Acq: 04 Nov 2025 08:25

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 27791

Ion Ratio Lower Upper

83 100

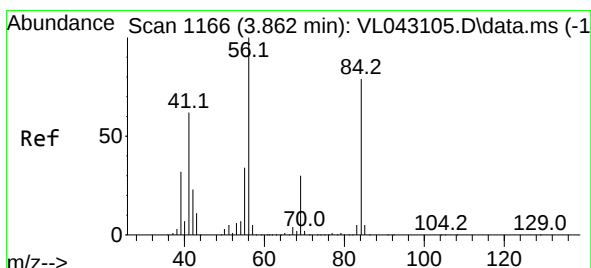
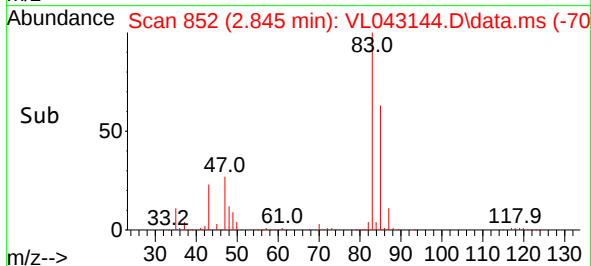
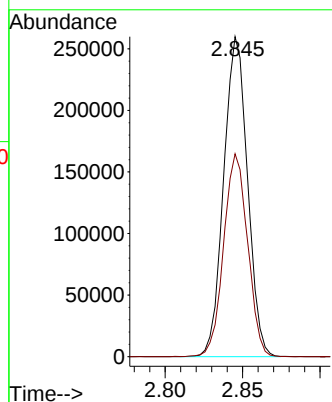
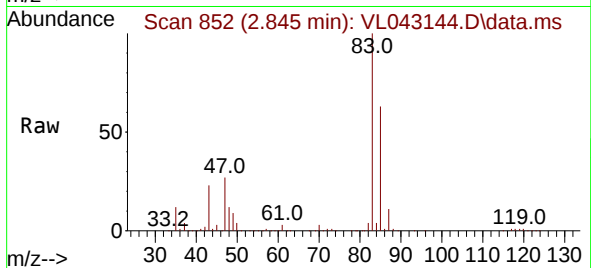
85 63.4 51.8 77.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#30

Cyclohexane

Concen: 9.424 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. -0.010 min

Lab File: VL043144.D

Acq: 04 Nov 2025 08:25

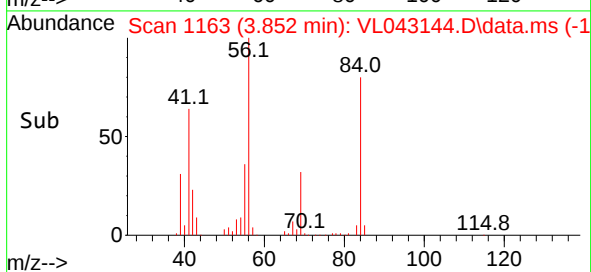
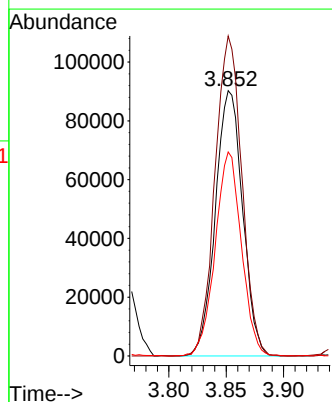
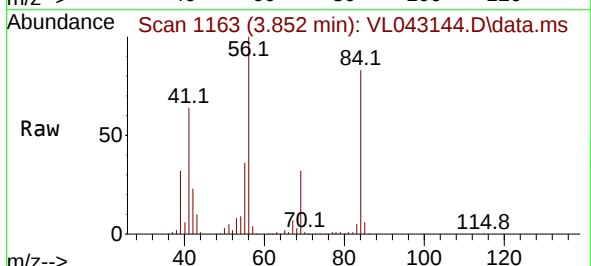
Tgt Ion: 84 Resp: 148884

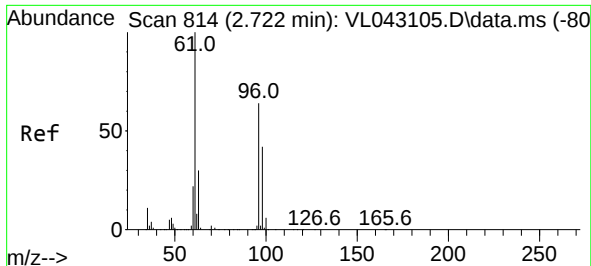
Ion Ratio Lower Upper

84 100

56 119.0 100.9 151.3

41 74.2 63.8 95.6





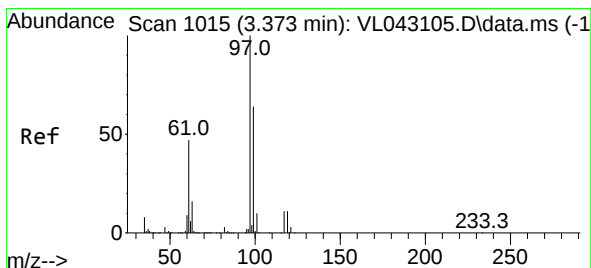
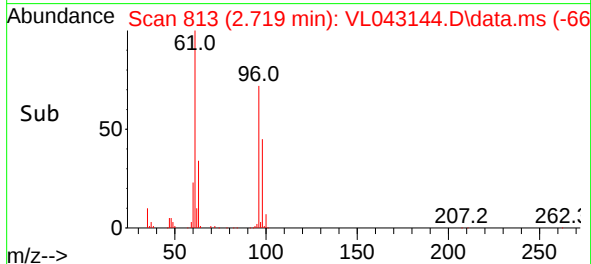
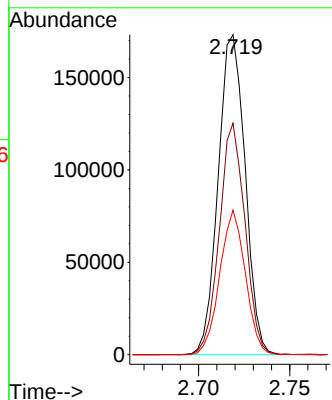
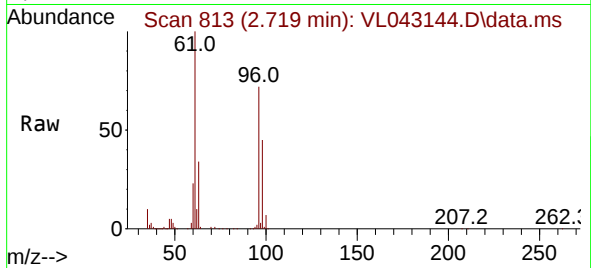
#31  
 cis-1,2-Dichloroethene  
 Concen: 10.308 ppbv  
 RT: 2.719 min Scan# 814  
 Delta R.T. -0.004 min  
 Lab File: VL043144.D  
 Acq: 04 Nov 2025 08:25

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

Tgt Ion: 61 Resp: 17815  
 Ion Ratio Lower Upper  
 61 100  
 96 72.4 51.0 76.6  
 98 45.2 33.5 50.3

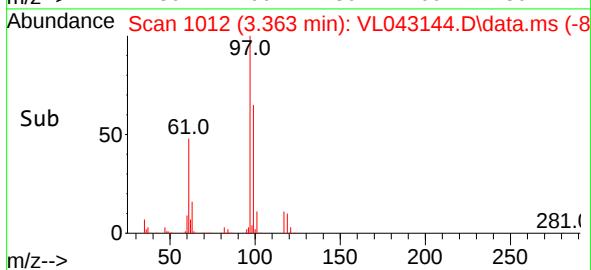
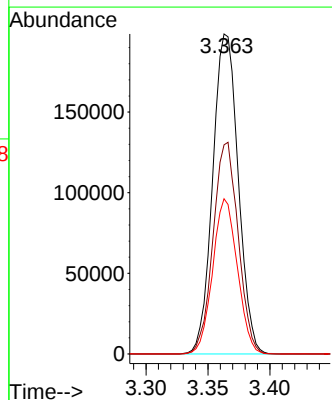
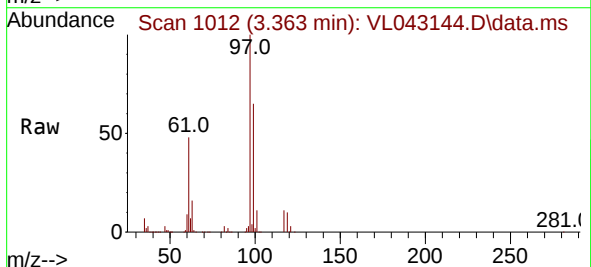
Manual Integrations  
 APPROVED

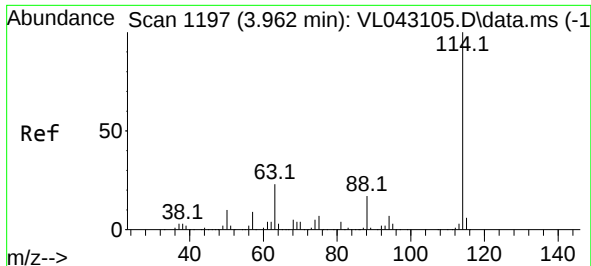
Reviewed By :Amit Patel 11/07/2025  
 Supervised By :Mahesh Dadoda 11/07/2025



#32  
 1,1,1-Trichloroethane  
 Concen: 10.441 ppbv  
 RT: 3.363 min Scan# 1012  
 Delta R.T. -0.010 min  
 Lab File: VL043144.D  
 Acq: 04 Nov 2025 08:25

Tgt Ion: 97 Resp: 285148  
 Ion Ratio Lower Upper  
 97 100  
 99 65.0 51.3 76.9  
 61 46.9 38.4 57.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.007 min

Lab File: VL043144.D

Acq: 04 Nov 2025 08:25

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

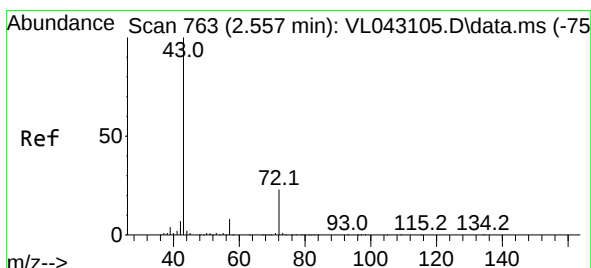
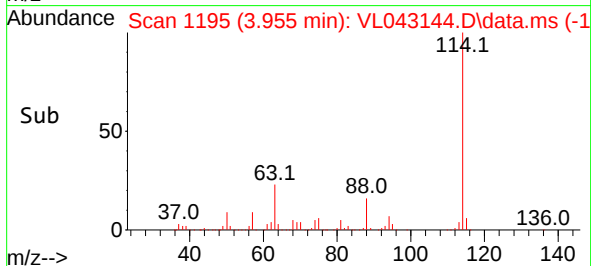
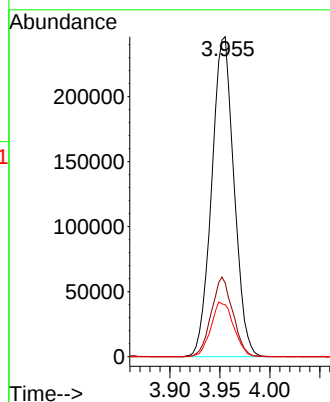
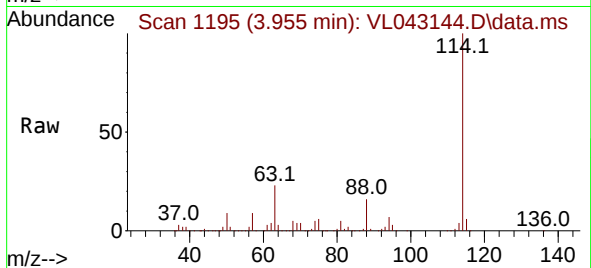
Tgt Ion:114 Resp: 38143  
 Ion Ratio Lower Upper  
 114 100  
 63 24.1 19.3 28.9  
 88 17.5 13.9 20.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#34

2-Butanone

Concen: 9.517 ppbv

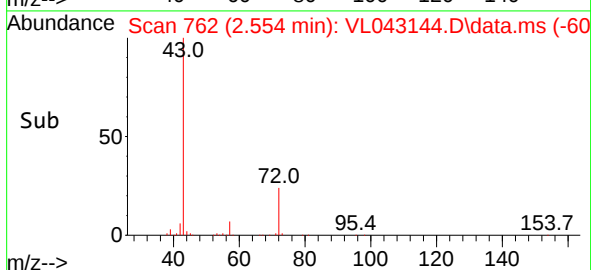
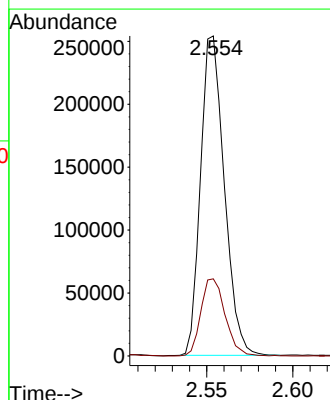
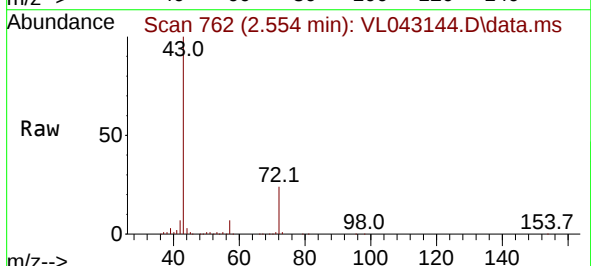
RT: 2.554 min Scan# 762

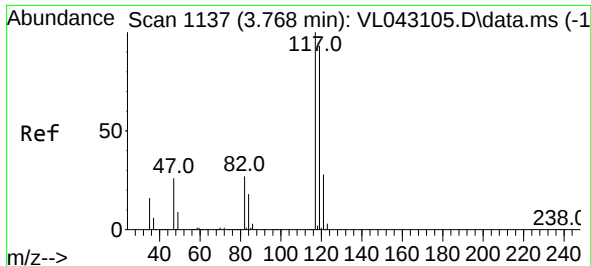
Delta R.T. -0.004 min

Lab File: VL043144.D

Acq: 04 Nov 2025 08:25

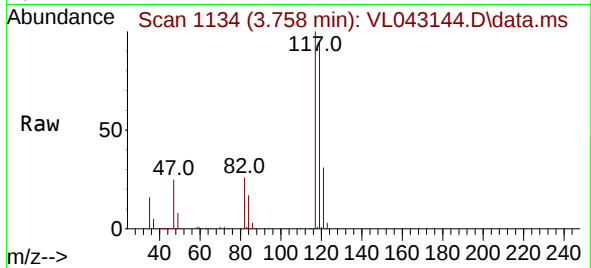
Tgt Ion: 43 Resp: 244004  
 Ion Ratio Lower Upper  
 43 100  
 72 24.7 18.4 27.6





#35  
Carbon Tetrachloride  
Concen: 10.870 ppbv  
RT: 3.758 min Scan# 1137  
Delta R.T. -0.010 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

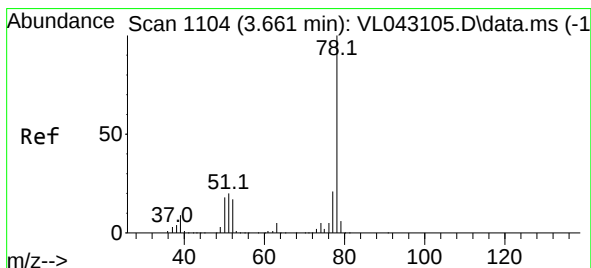
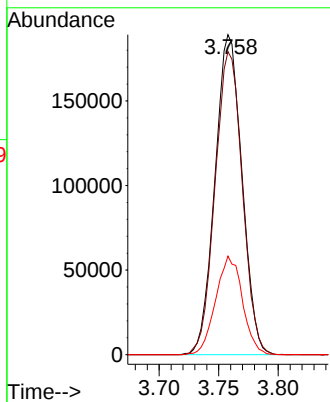
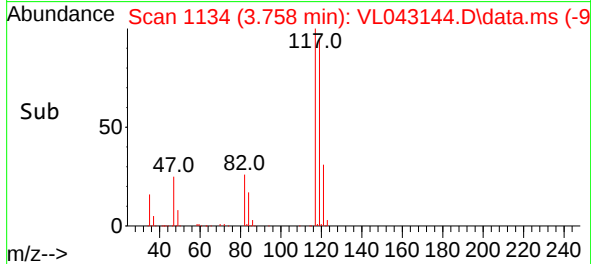
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 117 Resp: 298090  
Ion Ratio Lower Upper  
117 100  
119 94.7 74.1 111.1  
121 30.8 22.2 33.2

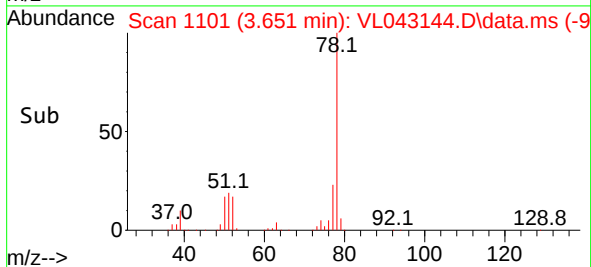
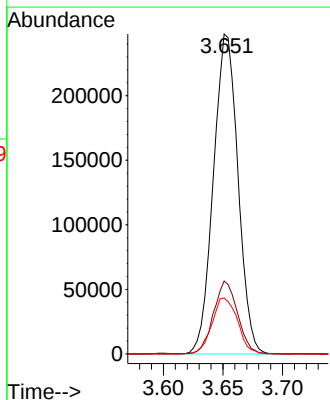
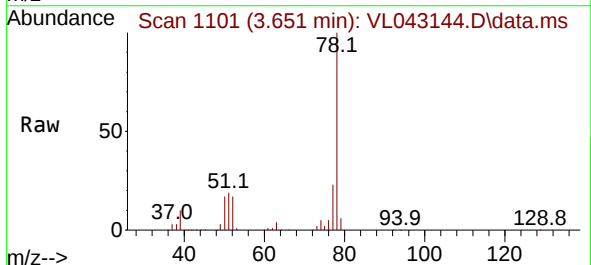
Manual Integrations  
APPROVED

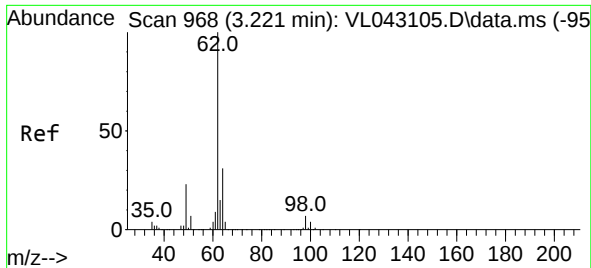
Reviewed By :Amit Patel 11/07/2025  
Supervised By :Mahesh Dadoda 11/07/2025



#36  
Benzene  
Concen: 9.889 ppbv  
RT: 3.651 min Scan# 1101  
Delta R.T. -0.010 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

Tgt Ion: 78 Resp: 355254  
Ion Ratio Lower Upper  
78 100  
77 22.7 17.0 25.6  
50 17.5 14.6 22.0





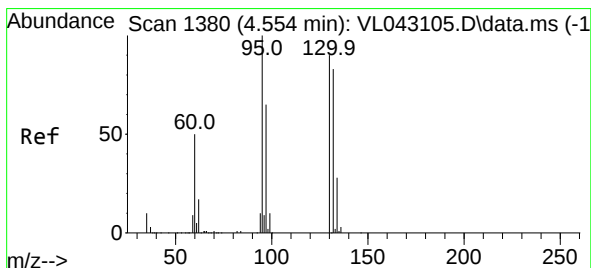
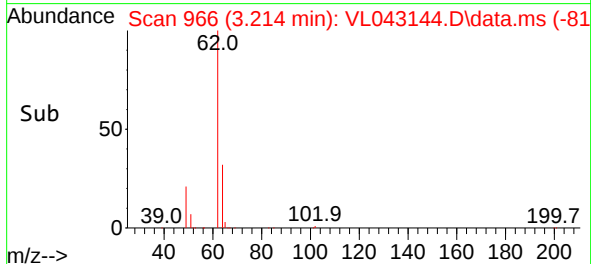
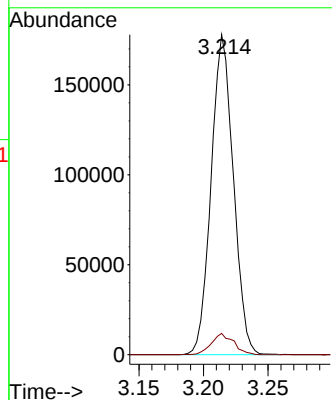
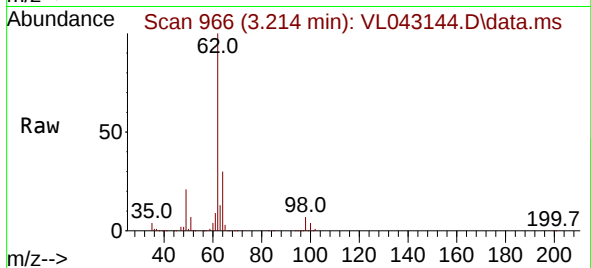
#37  
1,2-Dichloroethane  
Concen: 10.295 ppbv  
RT: 3.214 min Scan# 90  
Delta R.T. -0.007 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 62 Resp: 21305  
Ion Ratio Lower Upper  
62 100  
98 6.7 5.8 8.6

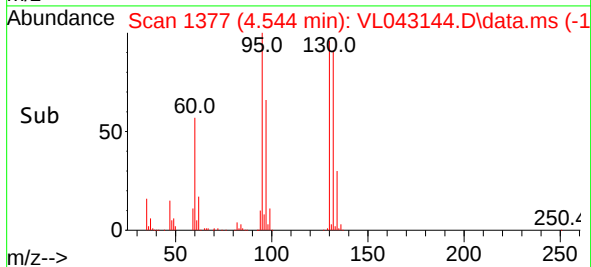
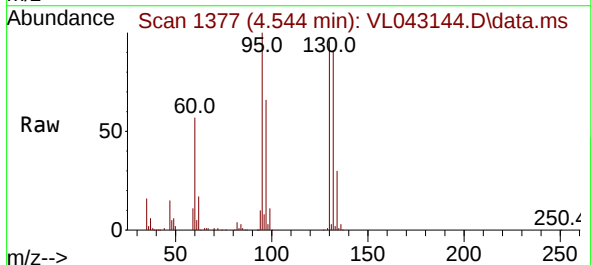
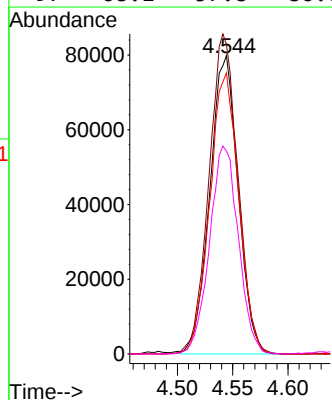
Manual Integrations  
APPROVED

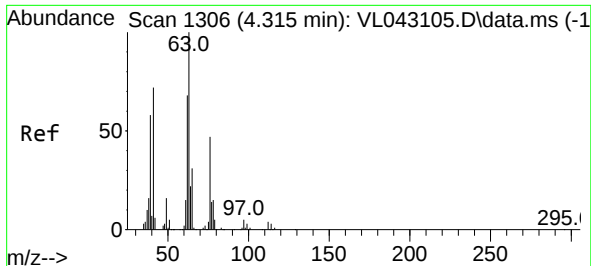
Reviewed By :Amit Patel 11/07/2025  
Supervised By :Mahesh Dadoda 11/07/2025



#38  
Trichloroethene  
Concen: 9.495 ppbv  
RT: 4.544 min Scan# 1377  
Delta R.T. -0.010 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

Tgt Ion:130 Resp: 142465  
Ion Ratio Lower Upper  
130 100  
95 103.6 88.6 133.0  
132 94.1 73.4 110.0  
97 68.1 57.8 86.6





#39

1,2-Dichloropropane

Concen: 9.569 ppbv

RT: 4.308 min Scan# 1306

Delta R.T. -0.007 min

Lab File: VL043144.D

Acq: 04 Nov 2025 08:25

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 63 Resp: 125672

Ion Ratio Lower Upper

63 100

41 78.6 58.0 87.0

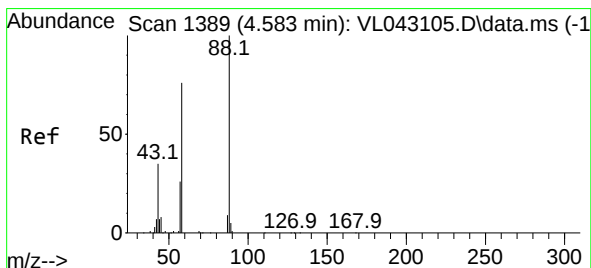
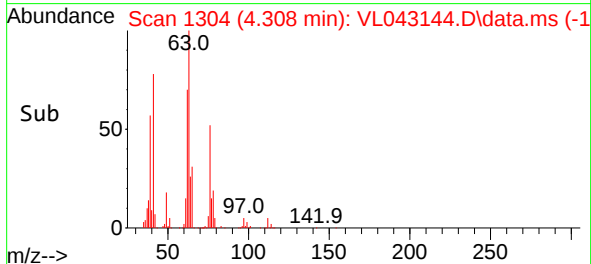
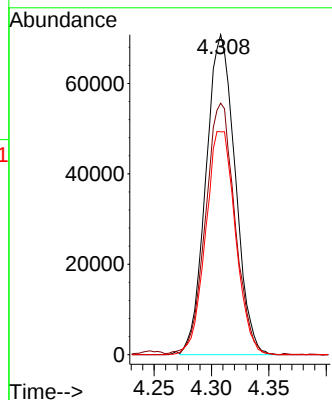
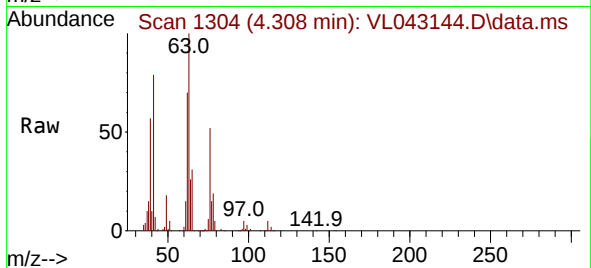
62 69.7 54.7 82.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#40

1,4-Dioxane

Concen: 9.550 ppbv

RT: 4.567 min Scan# 1384

Delta R.T. -0.017 min

Lab File: VL043144.D

Acq: 04 Nov 2025 08:25

Tgt Ion: 88 Resp: 56126

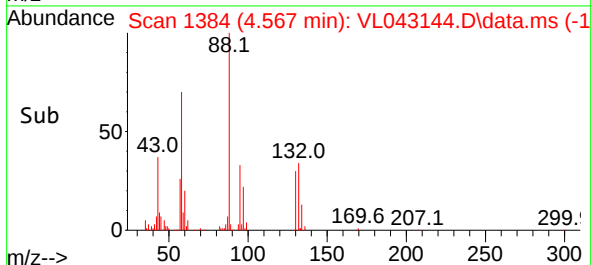
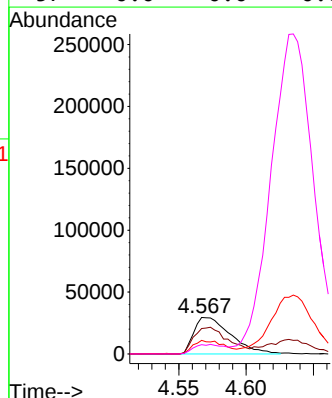
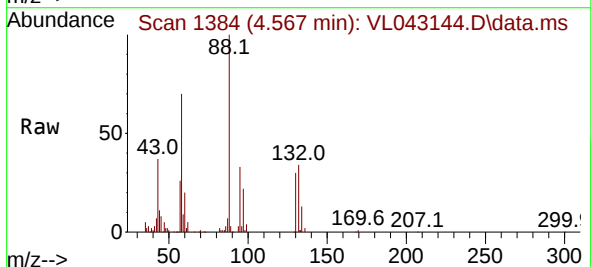
Ion Ratio Lower Upper

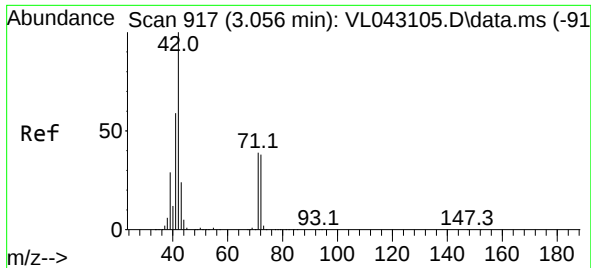
88 100

58 66.3 61.1 91.7

43 30.7 24.0 36.0

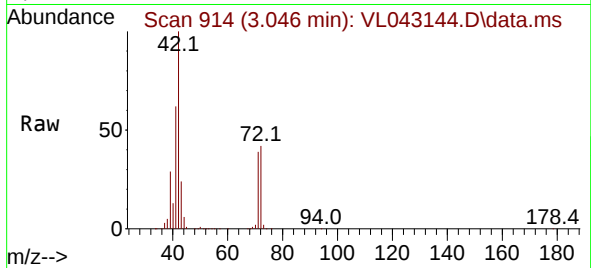
57 0.0 0.0 0.0





#41  
Tetrahydrofuran  
Concen: 8.843 ppbv  
RT: 3.046 min Scan# 917  
Delta R.T. -0.010 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

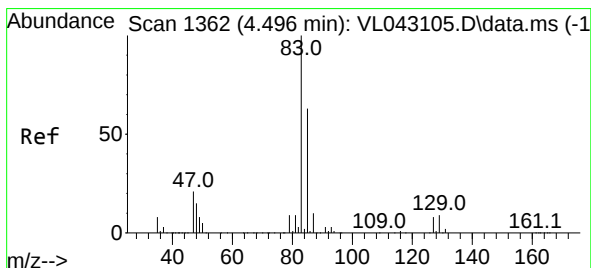
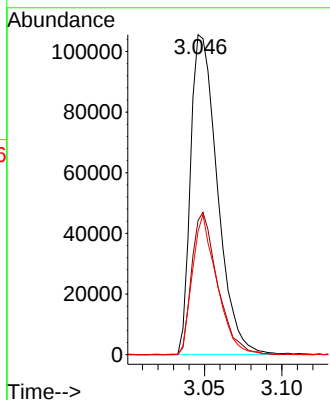
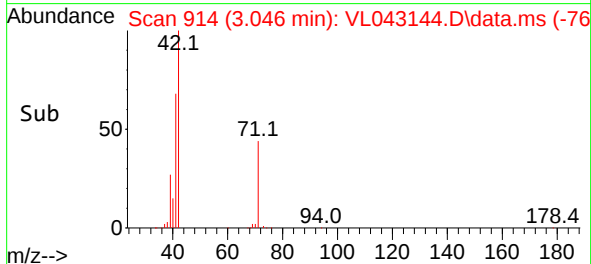
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



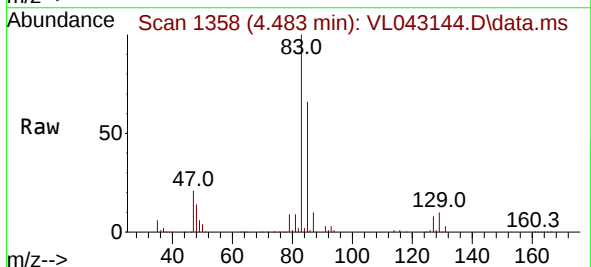
Tgt Ion: 42 Resp: 12680  
Ion Ratio Lower Upper  
42 100  
72 43.1 31.3 46.9  
71 40.3 30.4 45.6

Manual Integrations  
APPROVED

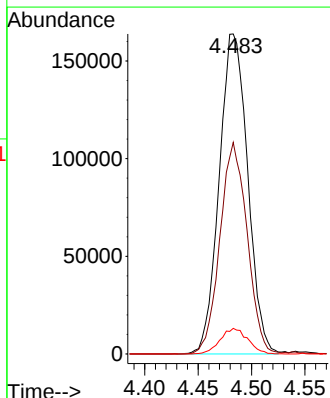
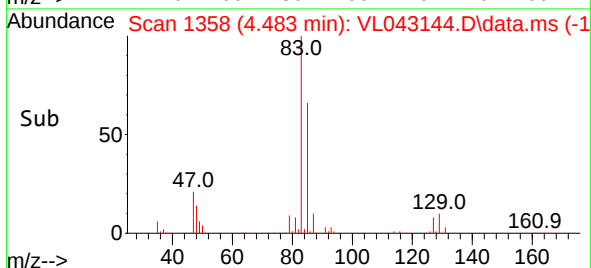
Reviewed By :Amit Patel 11/07/2025  
Supervised By :Mahesh Dadoda 11/07/2025



#42  
Bromodichloromethane  
Concen: 10.612 ppbv  
RT: 4.483 min Scan# 1358  
Delta R.T. -0.013 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25



Tgt Ion: 83 Resp: 303962  
Ion Ratio Lower Upper  
83 100  
85 66.1 50.6 75.8  
127 8.0 6.3 9.5





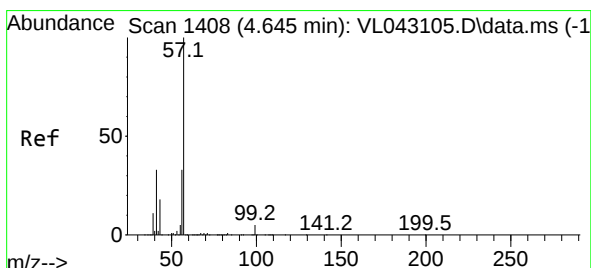
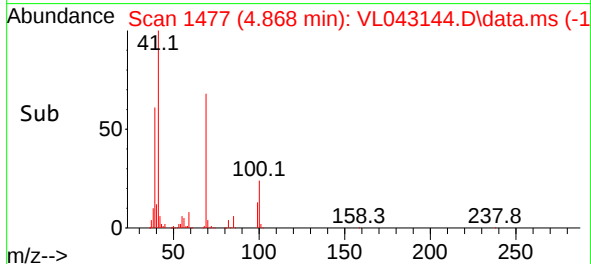
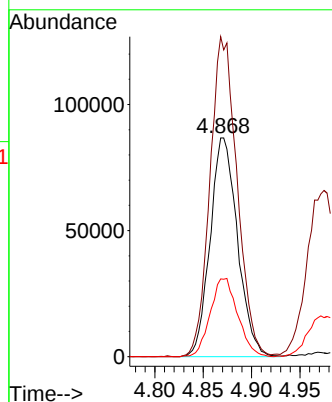
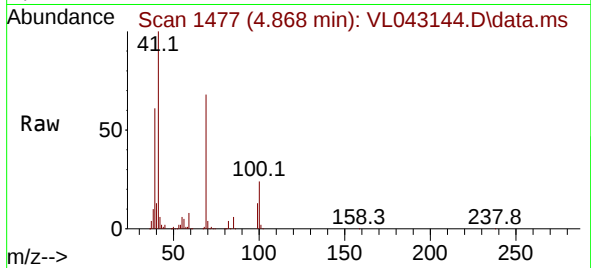
#43  
Methyl Methacrylate  
Concen: 9.348 ppbv  
RT: 4.868 min Scan# 1477  
Delta R.T. -0.013 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 69 Resp: 17057  
Ion Ratio Lower Upper  
69 100  
41 145.4 120.5 180.7  
100 36.0 29.0 43.4

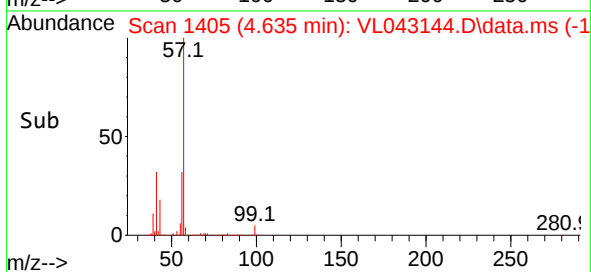
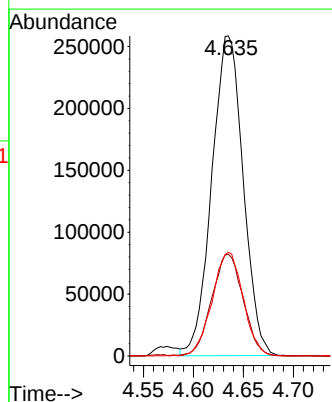
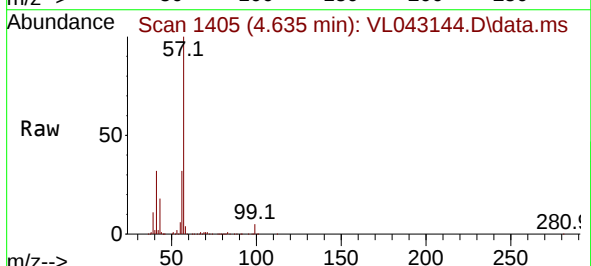
Manual Integrations  
APPROVED

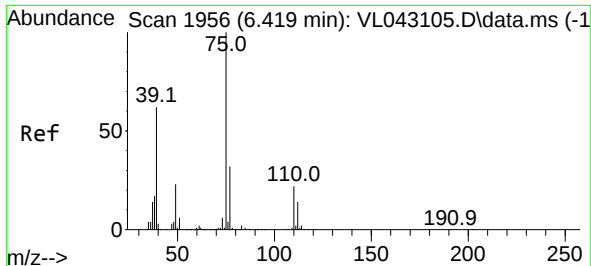
Reviewed By :Amit Patel 11/07/2025  
Supervised By :Mahesh Dadoda 11/07/2025



#44  
2,2,4-Trimethylpentane  
Concen: 9.309 ppbv  
RT: 4.635 min Scan# 1405  
Delta R.T. -0.010 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

Tgt Ion: 57 Resp: 564212  
Ion Ratio Lower Upper  
57 100  
41 32.3 26.3 39.5  
56 32.0 25.9 38.9





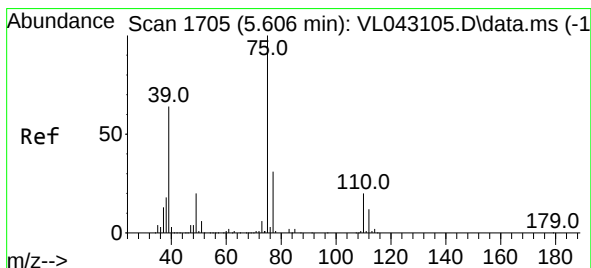
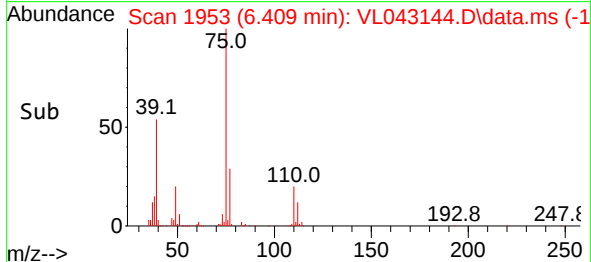
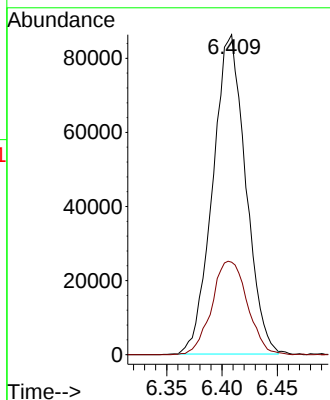
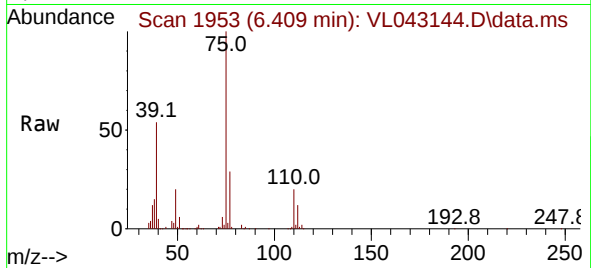
#45  
t-1,3-Dichloropropene  
Concen: 9.745 ppbv  
RT: 6.409 min Scan# 1956  
Delta R.T. -0.010 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 75 Resp: 17844  
Ion Ratio Lower Upper  
75 100  
77 28.9 25.4 38.2

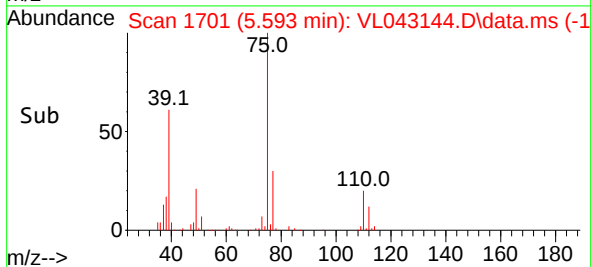
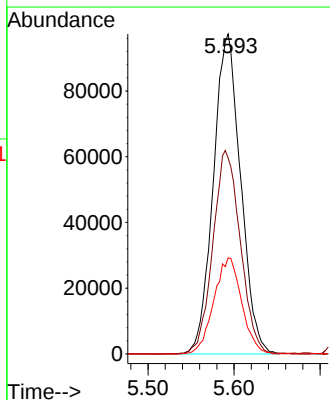
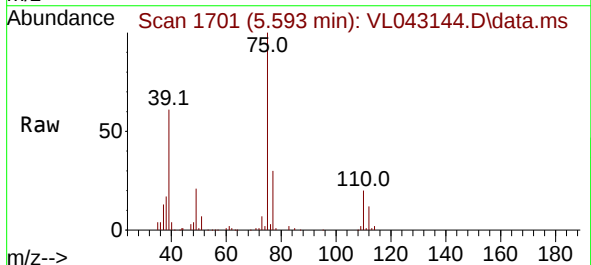
Manual Integrations  
APPROVED

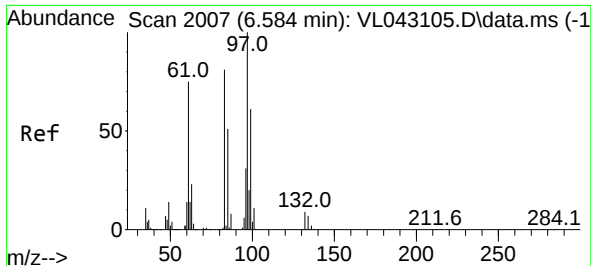
Reviewed By :Amit Patel 11/07/2025  
Supervised By :Mahesh Dadoda 11/07/2025



#46  
cis-1,3-Dichloropropene  
Concen: 9.812 ppbv  
RT: 5.593 min Scan# 1701  
Delta R.T. -0.013 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

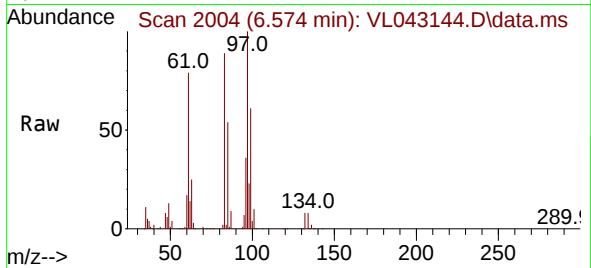
Tgt Ion: 75 Resp: 214624  
Ion Ratio Lower Upper  
75 100  
39 61.2 51.0 76.6  
77 30.0 25.0 37.4





#47  
1,1,2-Trichloroethane  
Concen: 9.841 ppbv  
RT: 6.574 min Scan# 2004  
Delta R.T. -0.010 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

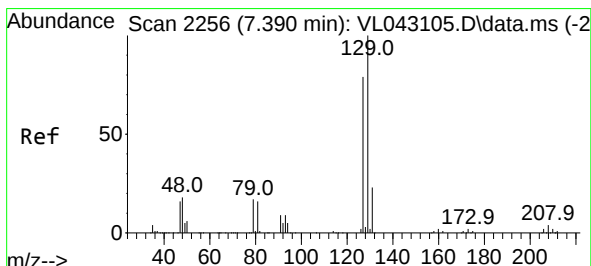
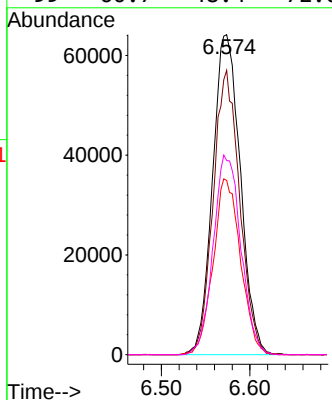
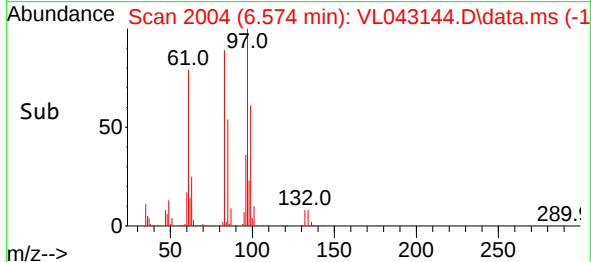
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 97 Resp: 139574  
Ion Ratio Lower Upper  
97 100  
83 88.8 64.6 96.8  
85 54.5 40.6 60.8  
99 60.7 48.4 72.6

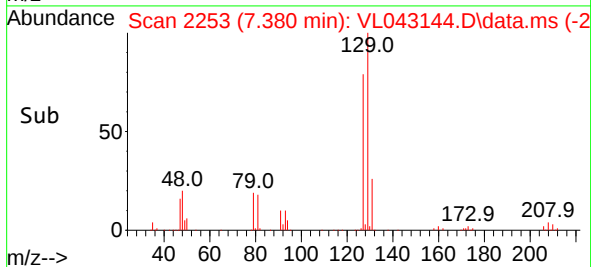
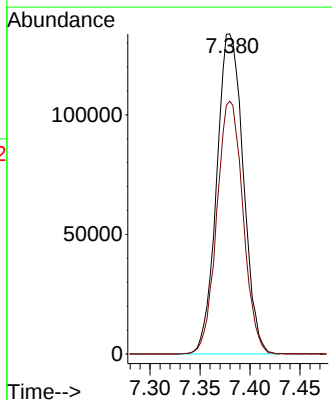
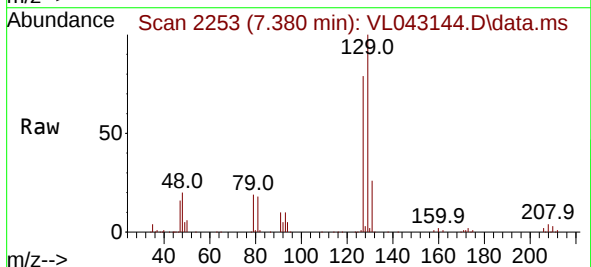
Manual Integrations  
APPROVED

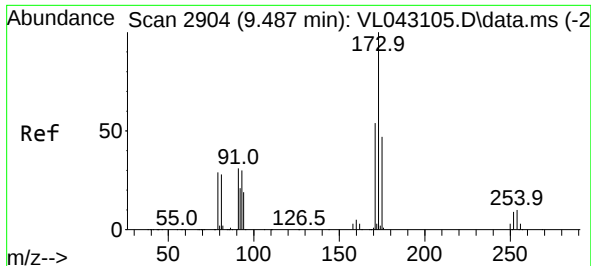
Reviewed By :Amit Patel 11/07/2025  
Supervised By :Mahesh Dadoda 11/07/2025



#48  
Dibromochloromethane  
Concen: 10.463 ppbv  
RT: 7.380 min Scan# 2253  
Delta R.T. -0.010 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

Tgt Ion:129 Resp: 248108  
Ion Ratio Lower Upper  
129 100  
127 77.9 39.3 117.9





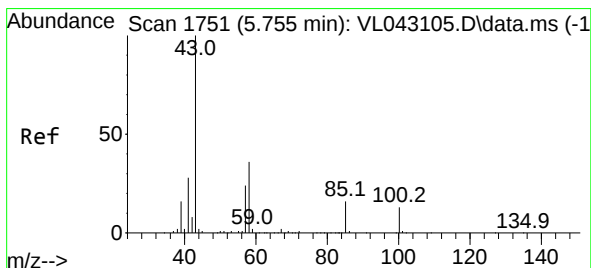
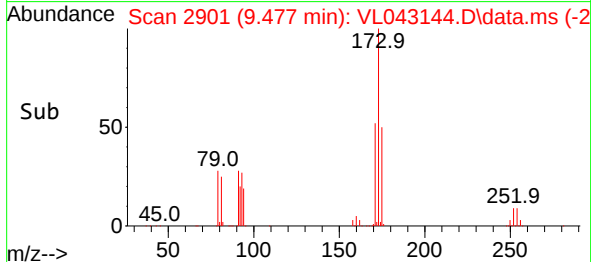
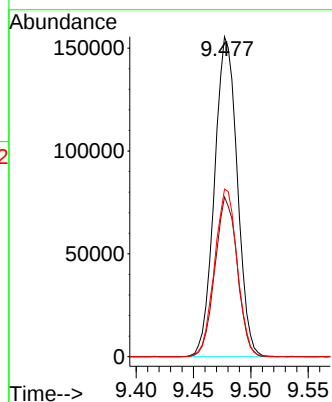
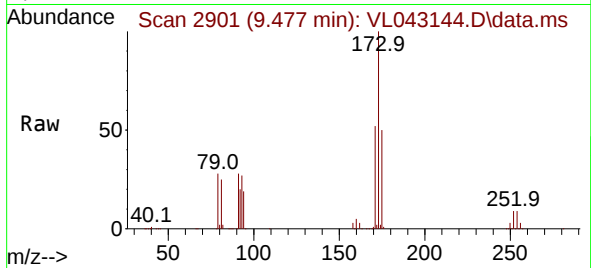
#49  
Bromoform  
Concen: 11.150 ppbv  
RT: 9.477 min Scan# 2904  
Delta R.T. -0.010 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion:173 Resp: 21492  
Ion Ratio Lower Upper  
173 100  
175 49.1 38.8 58.2  
171 52.2 41.7 62.5

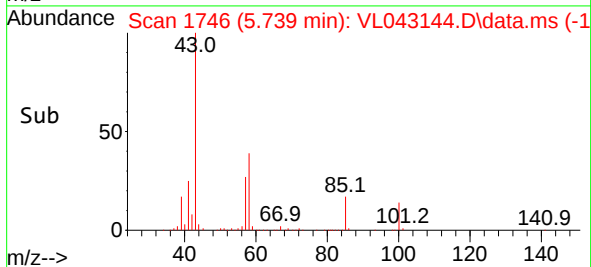
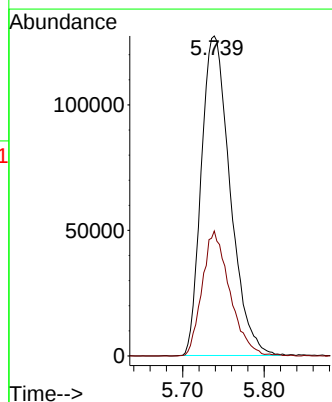
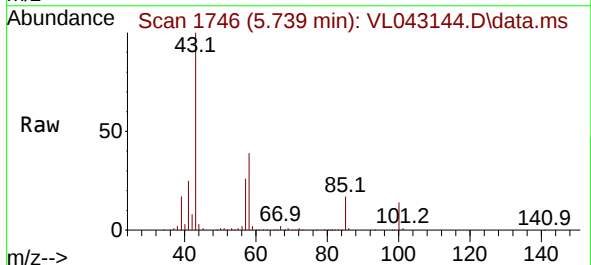
Manual Integrations  
APPROVED

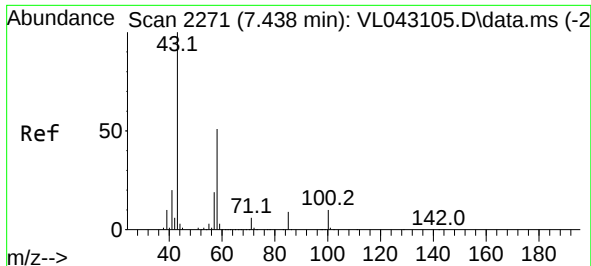
Reviewed By :Amit Patel 11/07/2025  
Supervised By :Mahesh Dadoda 11/07/2025



#50  
4-Methyl-2-Pentanone  
Concen: 8.847 ppbv  
RT: 5.739 min Scan# 1746  
Delta R.T. -0.017 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

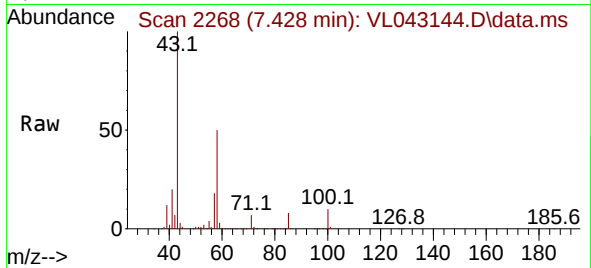
Tgt Ion: 43 Resp: 313044  
Ion Ratio Lower Upper  
43 100  
58 37.6 29.1 43.7





#51  
2-Hexanone  
Concen: 9.186 ppbv  
RT: 7.428 min Scan# 21  
Delta R.T. -0.010 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

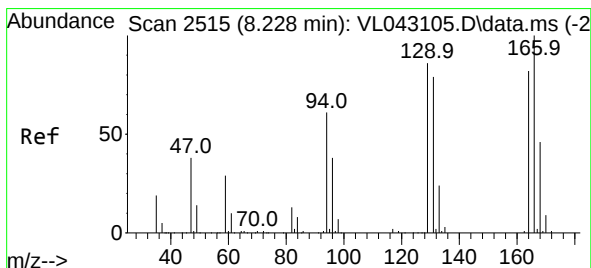
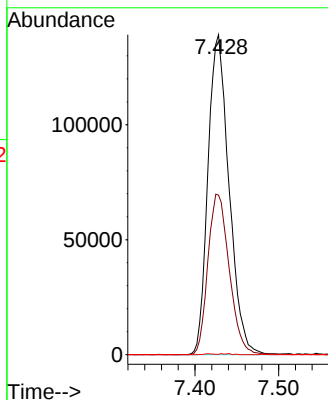
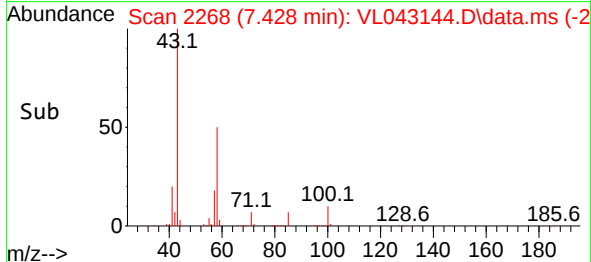
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



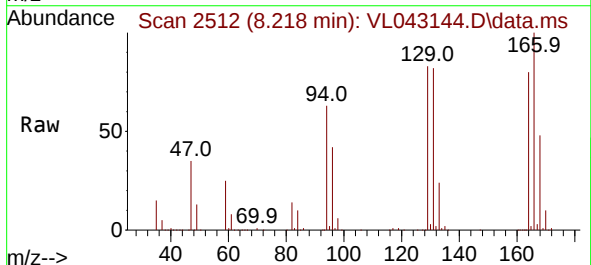
Tgt Ion: 43 Resp: 243810  
Ion Ratio Lower Upper  
43 100  
58 50.9 40.4 60.6  
98 0.3 0.1 0.1

Manual Integrations  
APPROVED

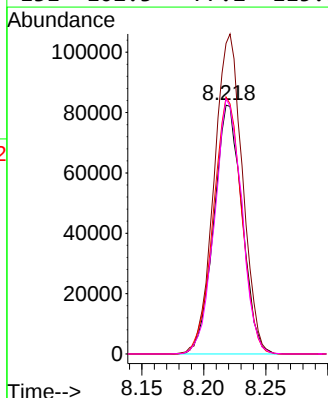
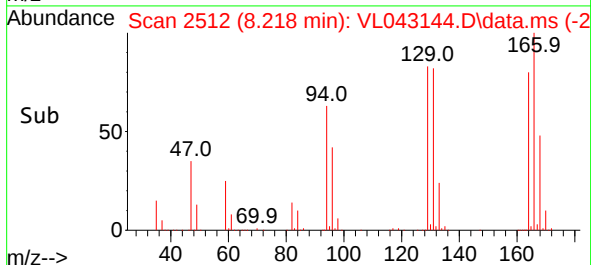
Reviewed By :Amit Patel 11/07/2025  
Supervised By :Mahesh Dadoda 11/07/2025

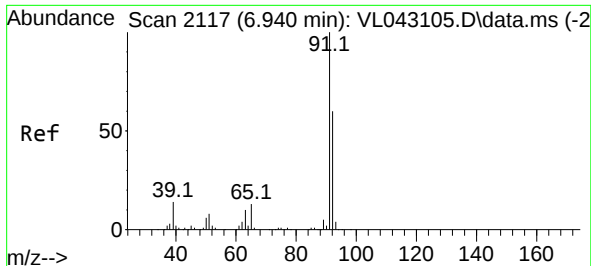


#52  
Tetrachloroethene  
Concen: 10.072 ppbv  
RT: 8.218 min Scan# 2512  
Delta R.T. -0.010 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25



Tgt Ion:164 Resp: 130481  
Ion Ratio Lower Upper  
164 100  
166 124.7 97.6 146.4  
129 103.3 84.5 126.7  
131 102.3 77.2 115.8





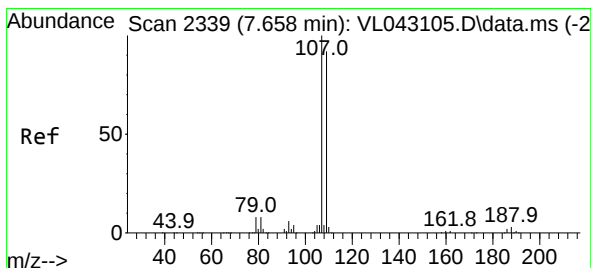
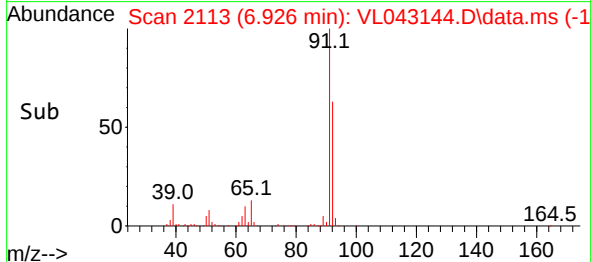
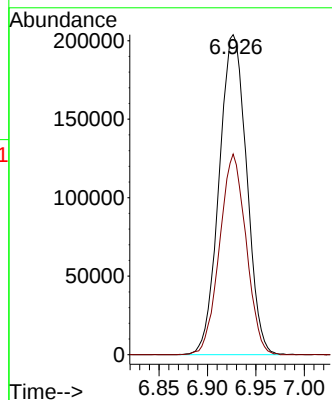
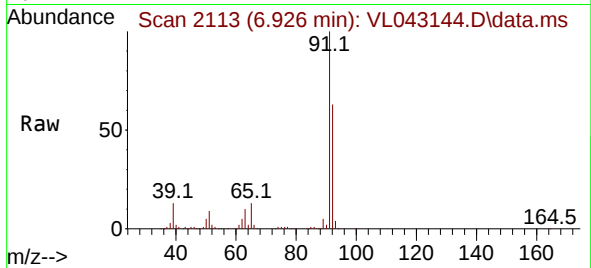
#53  
Toluene  
Concen: 9.454 ppbv  
RT: 6.926 min Scan# 2117  
Delta R.T. -0.013 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 91 Resp: 40311  
Ion Ratio Lower Upper  
91 100  
92 60.5 48.8 73.2

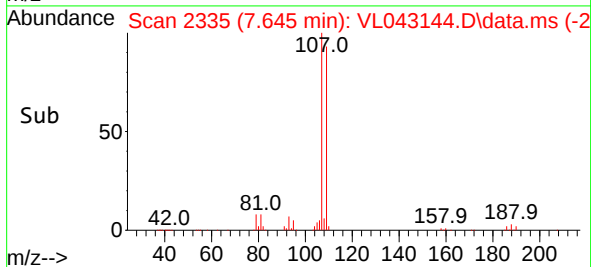
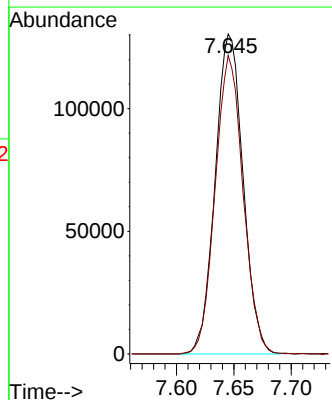
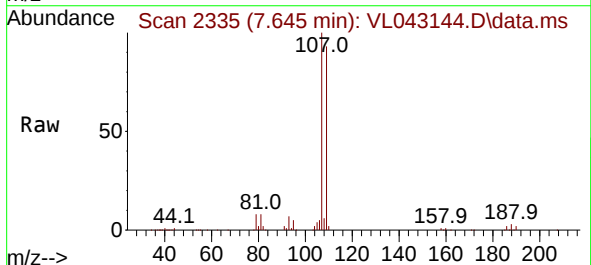
Manual Integrations  
APPROVED

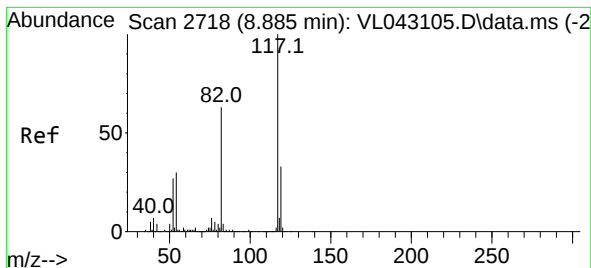
Reviewed By :Amit Patel 11/07/2025  
Supervised By :Mahesh Dadoda 11/07/2025



#54  
1,2-Dibromoethane  
Concen: 9.928 ppbv  
RT: 7.645 min Scan# 2335  
Delta R.T. -0.013 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

Tgt Ion:107 Resp: 220541  
Ion Ratio Lower Upper  
107 100  
109 93.2 73.4 110.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 2718

Delta R.T. -0.010 min

Lab File: VL043144.D

Acq: 04 Nov 2025 08:25

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

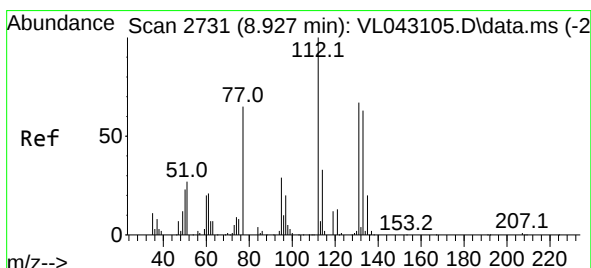
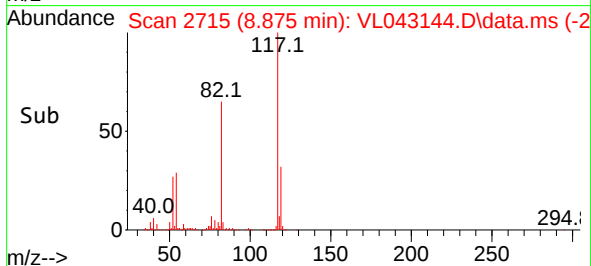
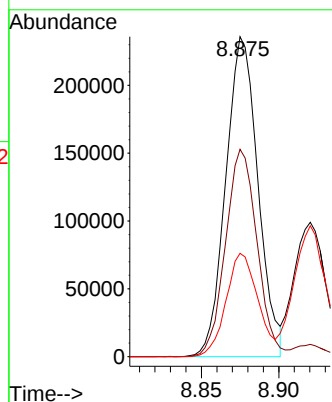
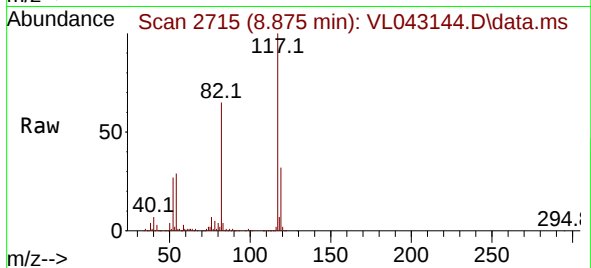
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 34129 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 82        | 67.0  | 53.8  | 80.8  |
| 119       | 31.3  | 25.4  | 38.0  |

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 10.500 ppbv

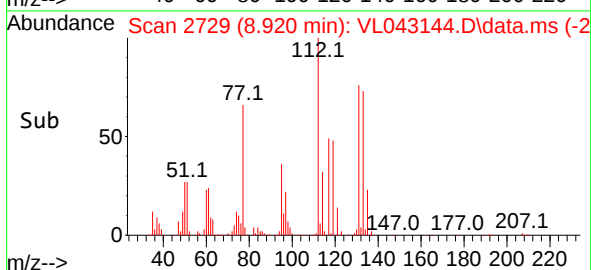
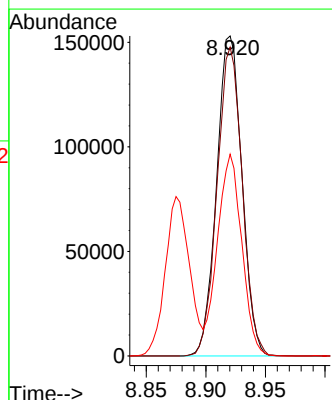
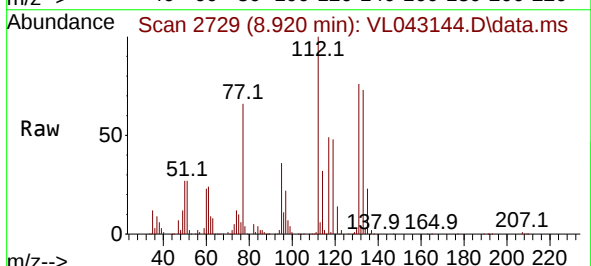
RT: 8.920 min Scan# 2729

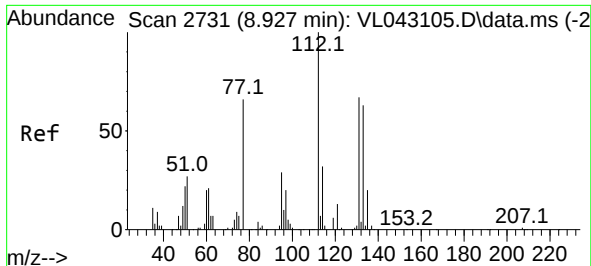
Delta R.T. -0.007 min

Lab File: VL043144.D

Acq: 04 Nov 2025 08:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 131   | Resp: | 225896 |
| Ion Ratio | Lower | Upper |        |
| 131       | 100   |       |        |
| 133       | 96.0  | 75.7  | 113.5  |
| 119       | 61.7  | 50.6  | 76.0   |





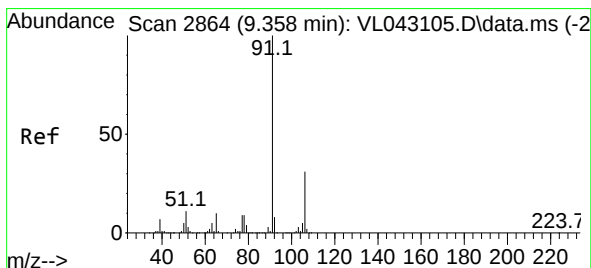
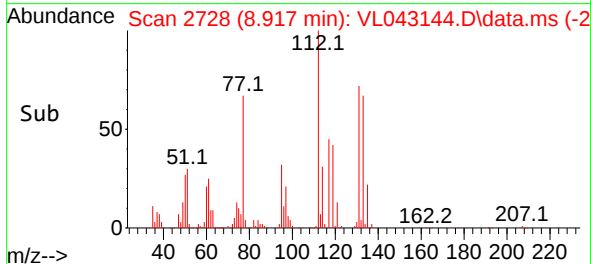
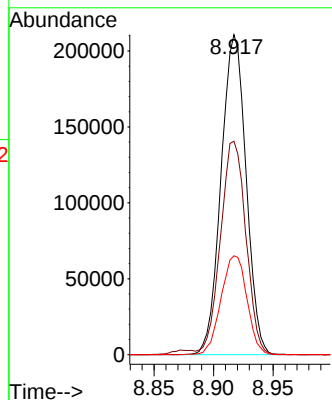
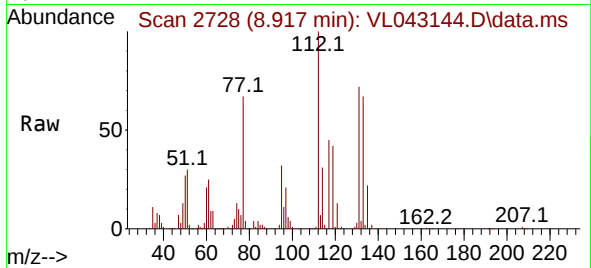
#57  
Chlorobenzene  
Concen: 9.625 ppbv  
RT: 8.917 min Scan# 2731  
Delta R.T. -0.010 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion:112 Resp: 30731  
Ion Ratio Lower Upper  
112 100  
77 66.6 53.3 79.9  
114 30.9 29.3 35.8

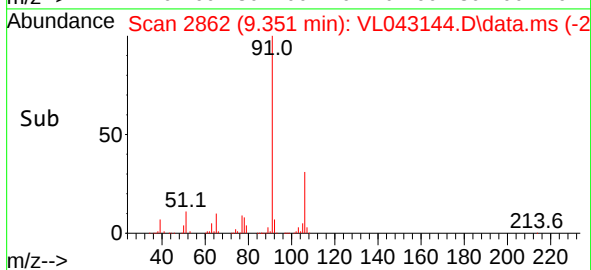
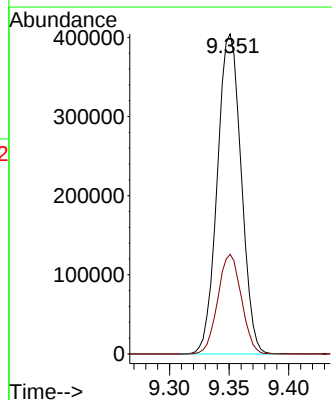
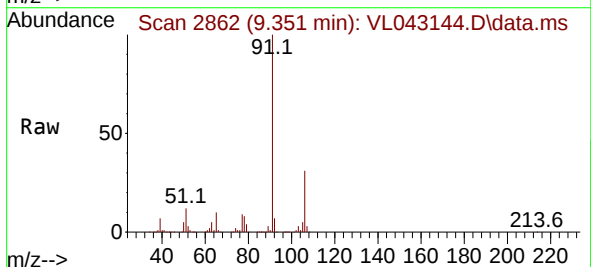
Manual Integrations  
APPROVED

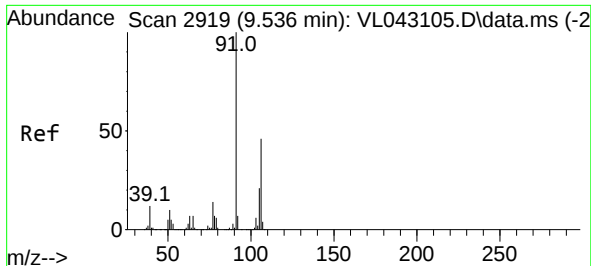
Reviewed By :Amit Patel 11/07/2025  
Supervised By :Mahesh Dadoda 11/07/2025



#58  
Ethyl Benzene  
Concen: 9.618 ppbv  
RT: 9.351 min Scan# 2862  
Delta R.T. -0.007 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

Tgt Ion: 91 Resp: 563346  
Ion Ratio Lower Upper  
91 100  
106 31.1 24.8 37.2





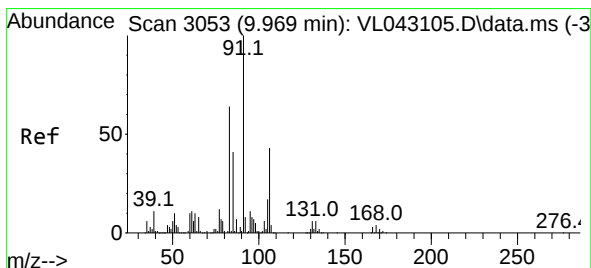
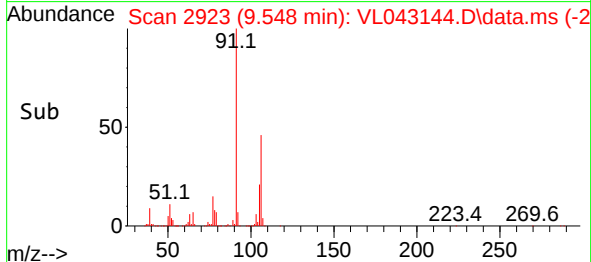
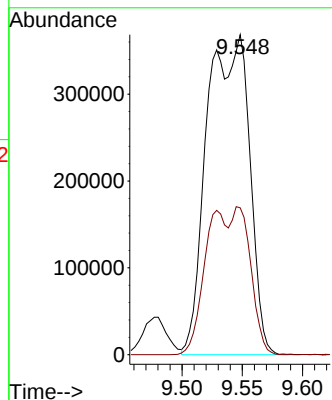
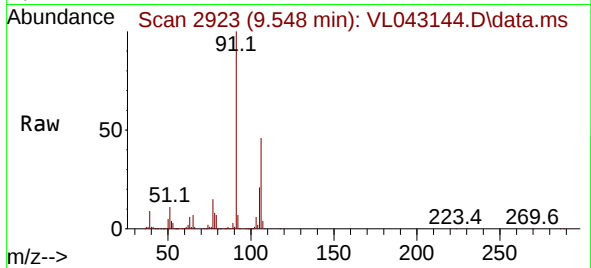
#59  
m/p-Xylene  
Concen: 19.326 ppbv m  
RT: 9.548 min Scan# 2919  
Delta R.T. 0.013 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 91 Resp: 90289  
Ion Ratio Lower Upper  
91 100  
106 0.0 38.0 57.0

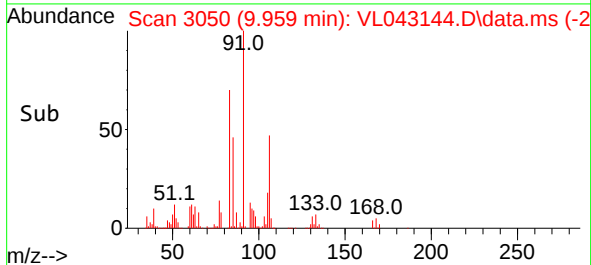
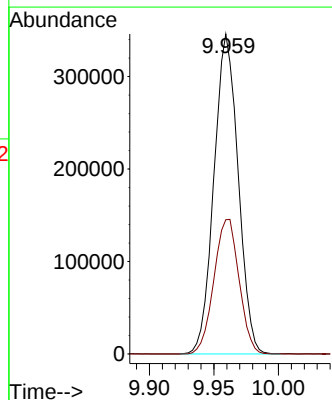
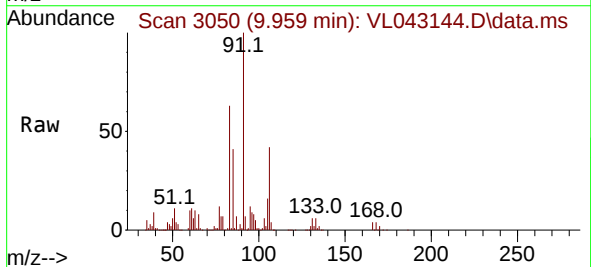
Manual Integrations  
APPROVED

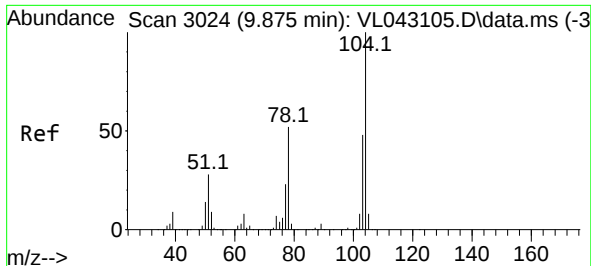
Reviewed By :Amit Patel 11/07/2025  
Supervised By :Mahesh Dadoda 11/07/2025



#60  
o-Xylene  
Concen: 9.764 ppbv  
RT: 9.959 min Scan# 3050  
Delta R.T. -0.010 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

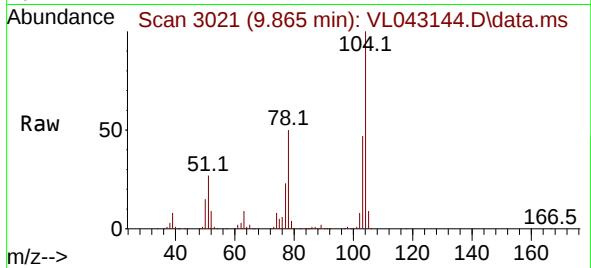
Tgt Ion: 91 Resp: 450523  
Ion Ratio Lower Upper  
91 100  
106 43.7 21.9 65.8





#61  
Styrene  
Concen: 9.547 ppbv  
RT: 9.865 min Scan# 3024  
Delta R.T. -0.010 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

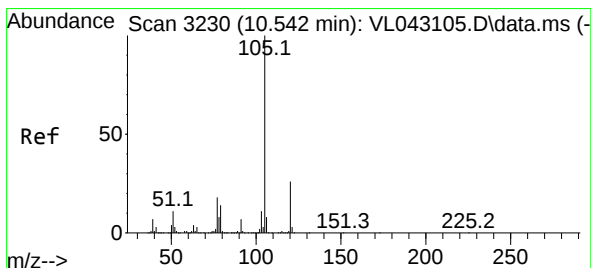
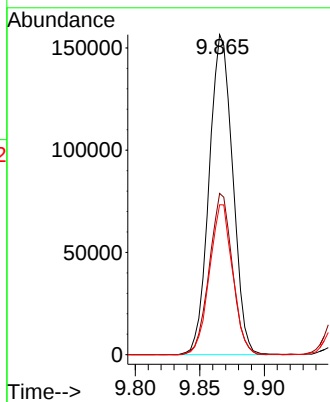
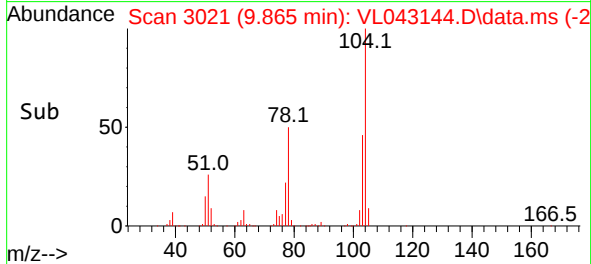
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



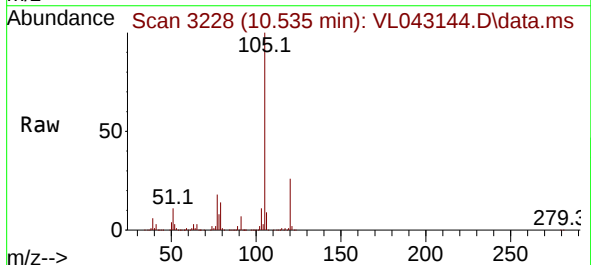
Tgt Ion:104 Resp: 198862  
Ion Ratio Lower Upper  
104 100  
78 49.2 40.2 60.2  
103 46.1 36.9 55.3

Manual Integrations  
APPROVED

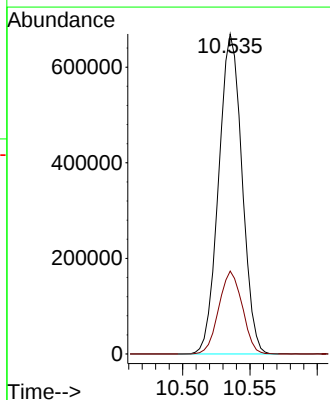
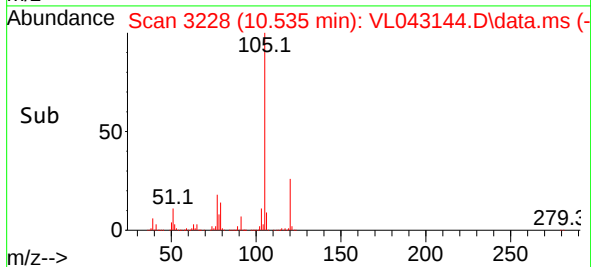
Reviewed By :Amit Patel 11/07/2025  
Supervised By :Mahesh Dadoda 11/07/2025

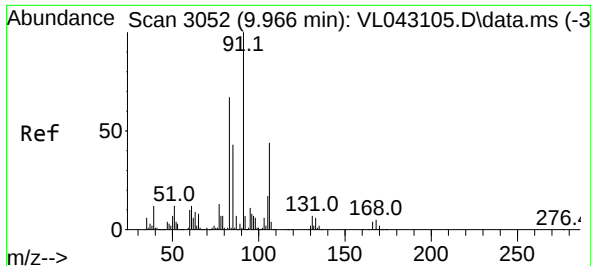


#62  
Isopropylbenzene  
Concen: 9.683 ppbv  
RT: 10.535 min Scan# 3228  
Delta R.T. -0.007 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25



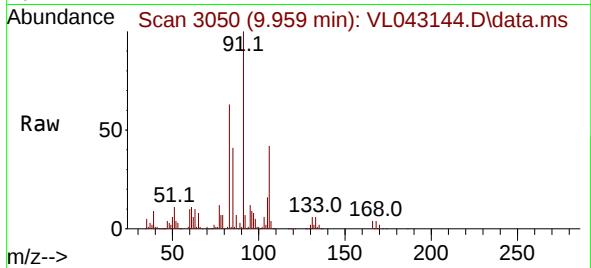
Tgt Ion:105 Resp: 807370  
Ion Ratio Lower Upper  
105 100  
120 25.9 20.2 30.4





#63  
1,1,2,2-Tetrachloroethane  
Concen: 9.172 ppbv  
RT: 9.959 min Scan# 3050  
Delta R.T. -0.007 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

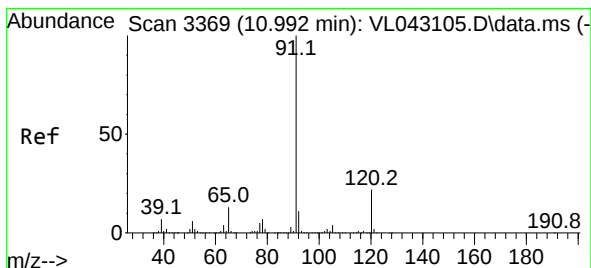
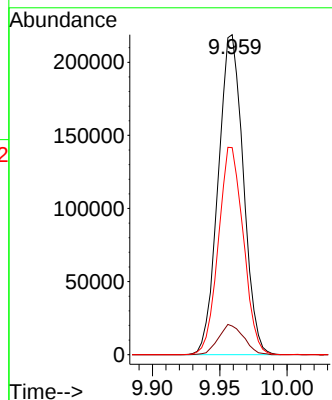
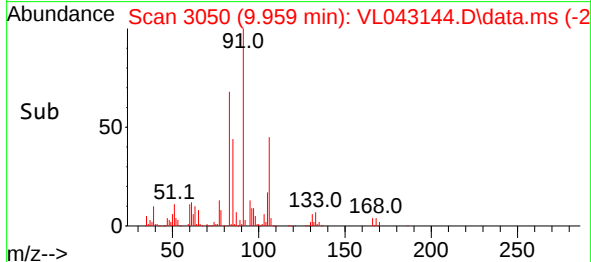
Instrument : MSVOA\_L  
ClientSampleId : VSTDCCC010



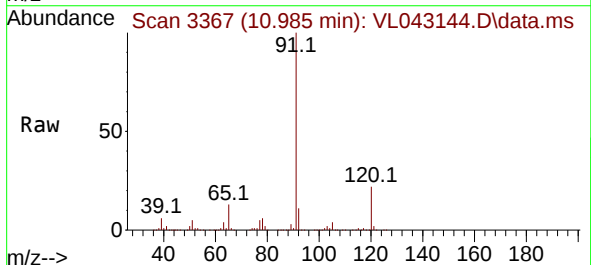
Tgt Ion: 83 Resp: 28337  
Ion Ratio Lower Upper  
83 100  
131 9.5 4.8 14.3  
85 64.5 32.0 96.0

Manual Integrations  
APPROVED

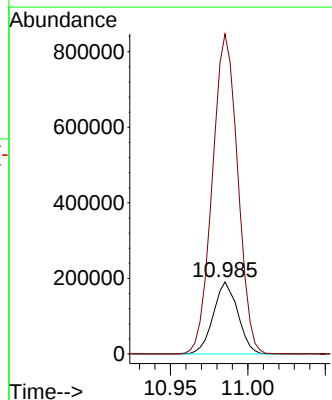
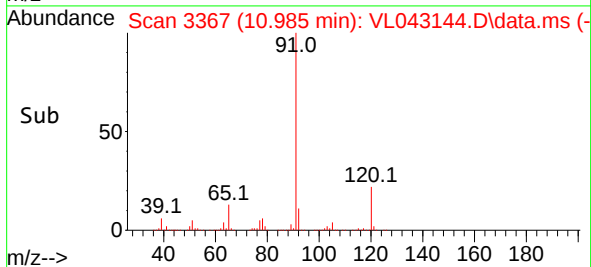
Reviewed By :Amit Patel 11/07/2025  
Supervised By :Mahesh Dadoda 11/07/2025

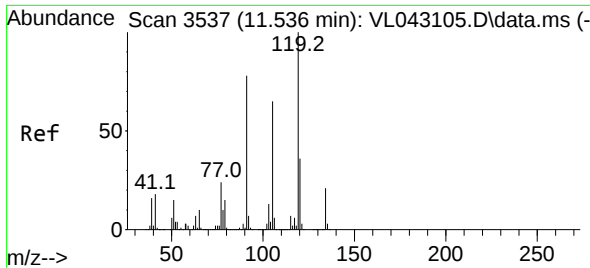


#64  
n-propylbenzene  
Concen: 9.517 ppbv  
RT: 10.985 min Scan# 3367  
Delta R.T. -0.007 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25



Tgt Ion:120 Resp: 210081  
Ion Ratio Lower Upper  
120 100  
91 460.5 361.6 542.4





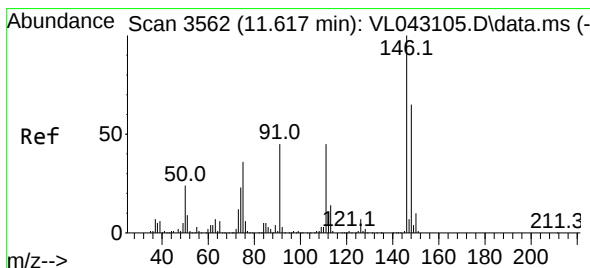
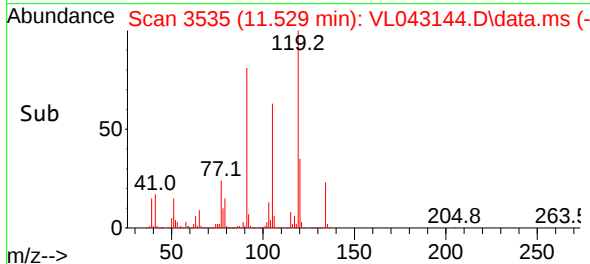
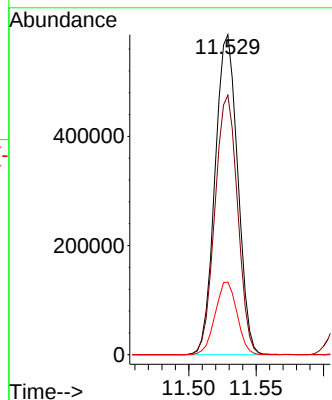
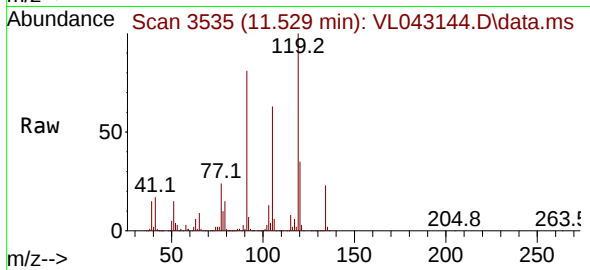
#65  
tert-Butylbenzene  
Concen: 9.314 ppbv  
RT: 11.529 min Scan# 3535  
Delta R.T. -0.007 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion:119 Resp: 68581  
Ion Ratio Lower Upper  
119 100  
91 81.2 63.4 95.0  
134 22.0 17.3 25.9

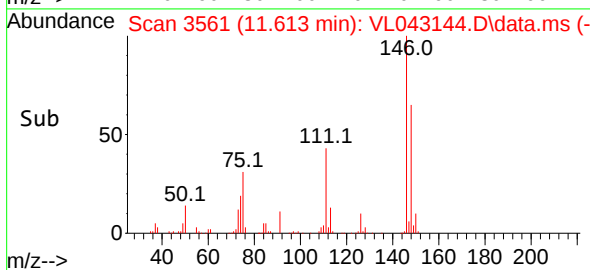
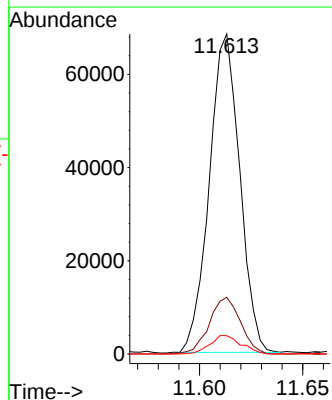
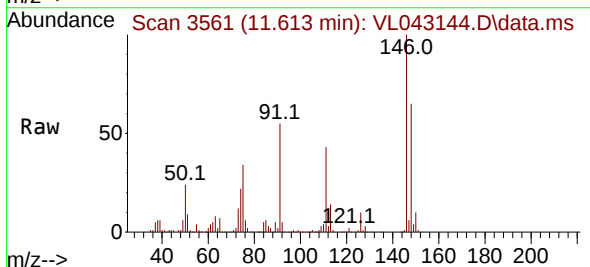
Manual Integrations  
APPROVED

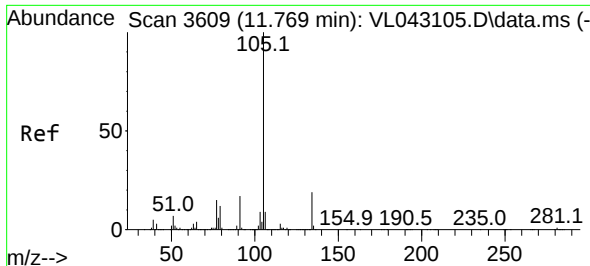
Reviewed By :Amit Patel 11/07/2025  
Supervised By :Mahesh Dadoda 11/07/2025



#66  
Benzyl Chloride  
Concen: 8.551 ppbv  
RT: 11.613 min Scan# 3561  
Delta R.T. -0.004 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

Tgt Ion: 91 Resp: 70071  
Ion Ratio Lower Upper  
91 100  
126 18.2 14.6 22.0  
128 6.0 4.6 6.8





#67

sec-Butylbenzene

Concen: 9.403 ppbv

RT: 11.765 min Scan# 3609

Delta R.T. -0.004 min

Lab File: VL043144.D

Acq: 04 Nov 2025 08:25

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 982589

Ion Ratio Lower Upper

105 100

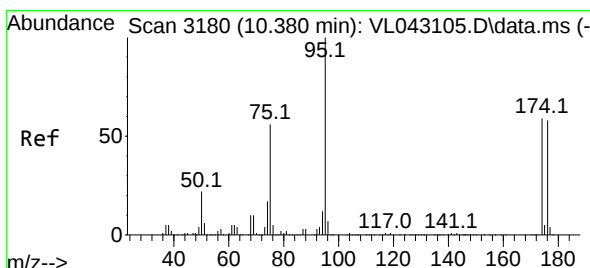
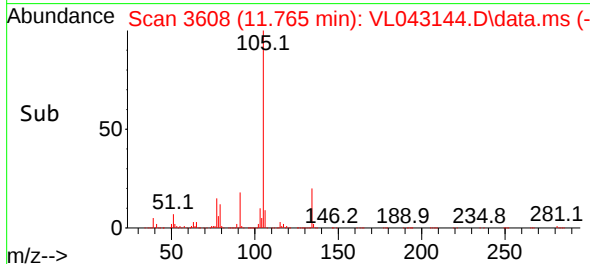
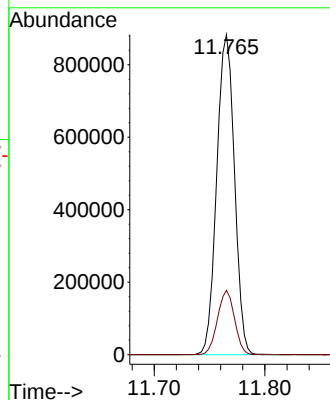
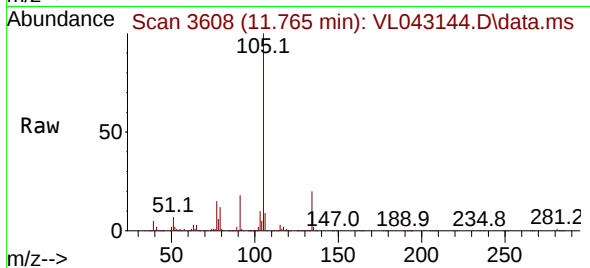
134 19.3 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.011 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. -0.007 min

Lab File: VL043144.D

Acq: 04 Nov 2025 08:25

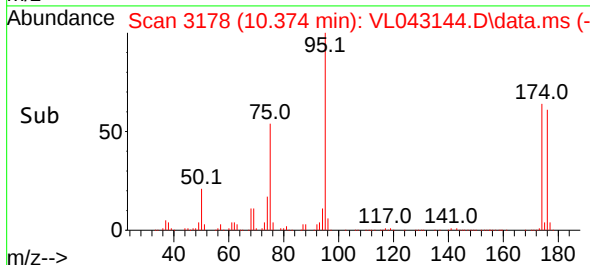
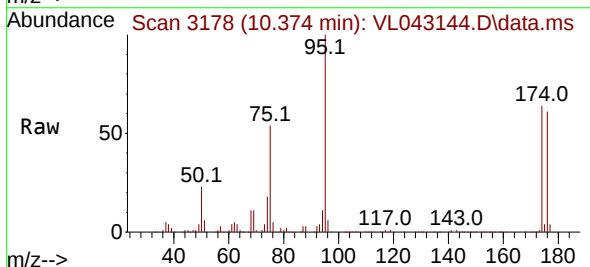
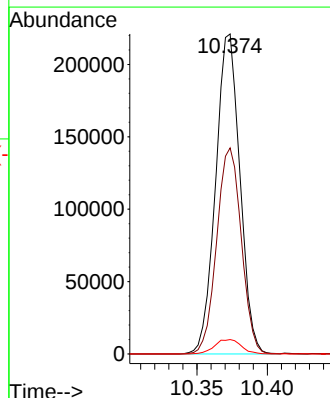
Tgt Ion: 95 Resp: 265573

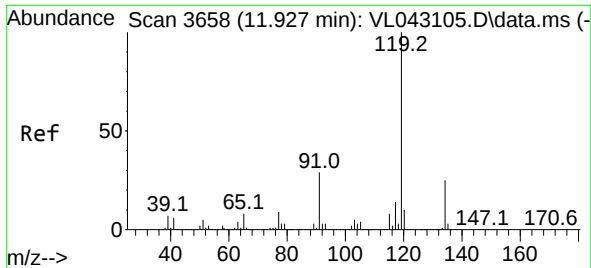
Ion Ratio Lower Upper

95 100

174 65.3 48.3 72.5

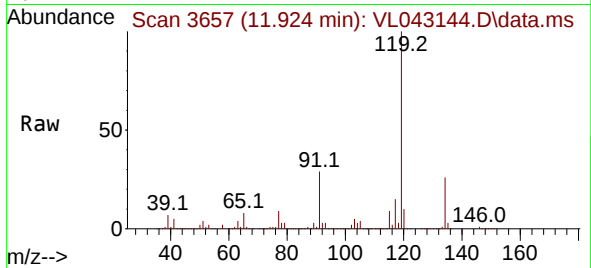
175 5.0 3.8 5.8





#69  
p-Isopropyltoluene  
Concen: 9.332 ppbv  
RT: 11.924 min Scan# 3657  
Delta R.T. -0.004 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

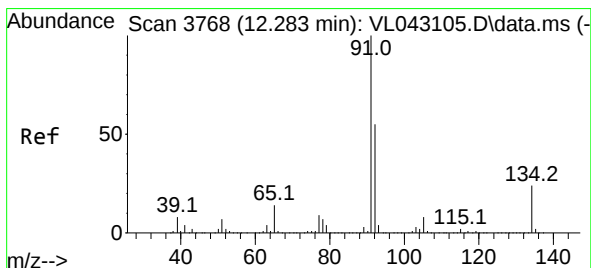
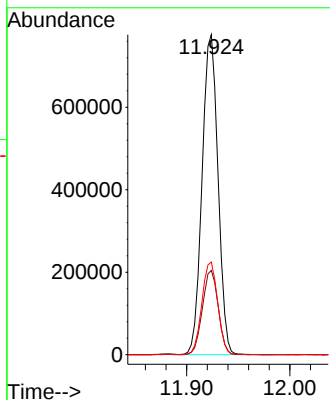
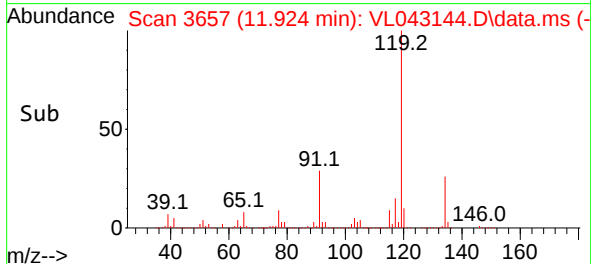
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



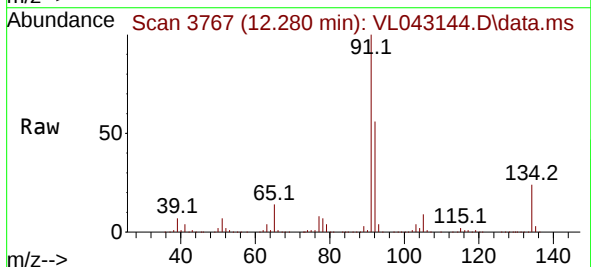
Tgt Ion: 119 Resp: 828649  
Ion Ratio Lower Upper  
119 100  
134 26.2 20.3 30.5  
91 29.0 22.6 33.8

Manual Integrations  
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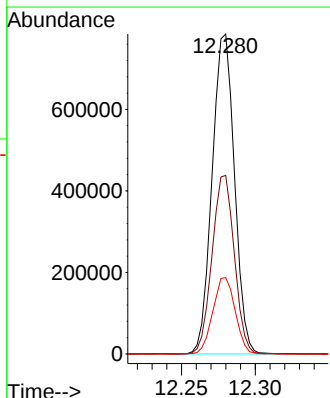
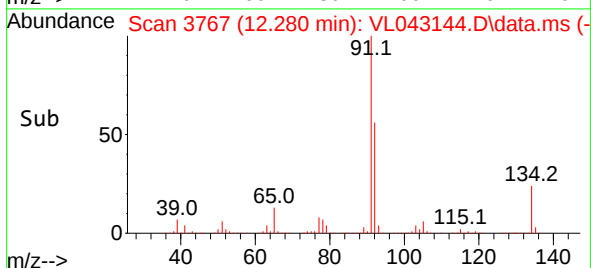
Reviewed By :Amit Patel 11/07/2025  
Supervised By :Mahesh Dadoda 11/07/2025

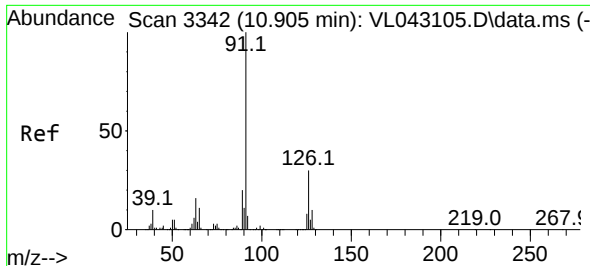


#70  
n-Butylbenzene  
Concen: 9.441 ppbv  
RT: 12.280 min Scan# 3767  
Delta R.T. -0.004 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25



Tgt Ion: 91 Resp: 826157  
Ion Ratio Lower Upper  
91 100  
92 55.7 44.5 66.7  
134 23.9 19.3 28.9





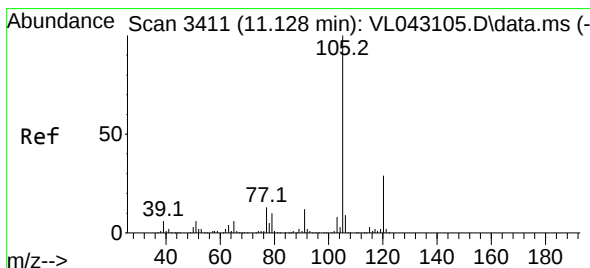
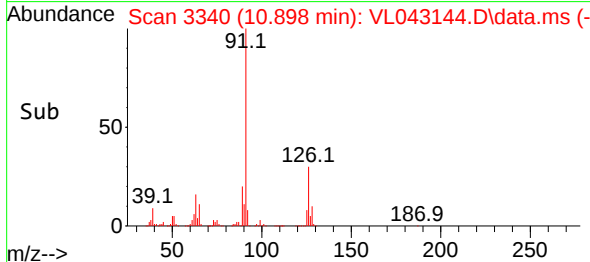
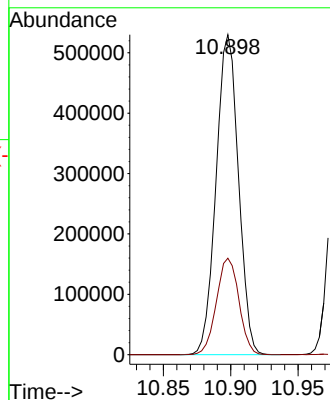
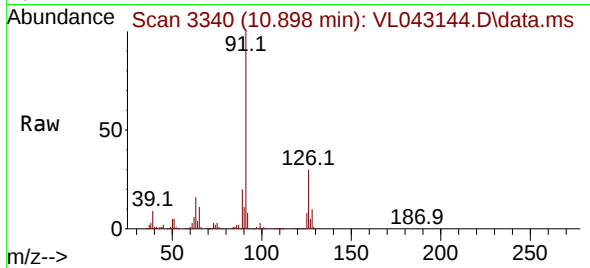
#71  
2-Chlorotoluene  
Concen: 9.613 ppbv  
RT: 10.898 min Scan# 31  
Delta R.T. -0.007 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 91 Resp: 61133  
Ion Ratio Lower Upper  
91 100  
126 30.3 12.0 48.0

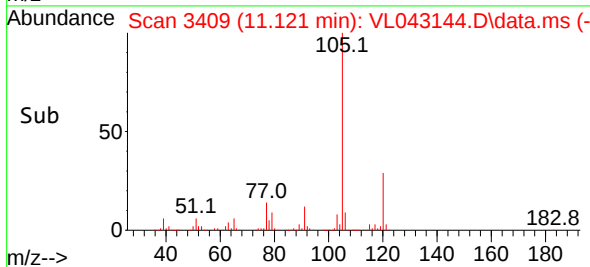
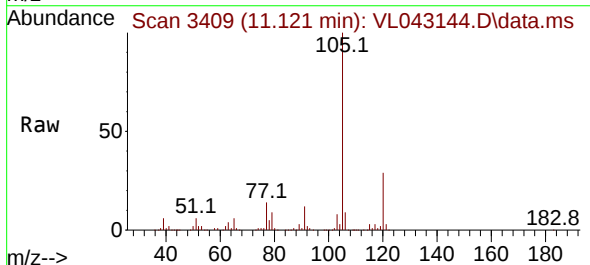
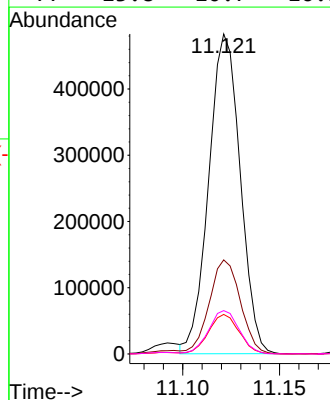
Manual Integrations  
APPROVED

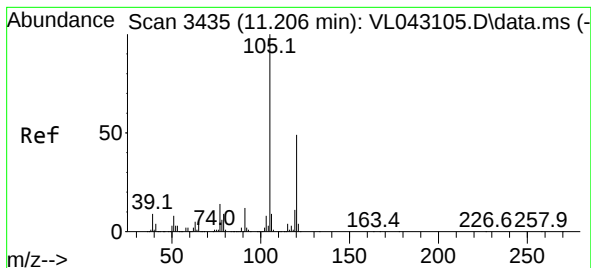
Reviewed By :Amit Patel 11/07/2025  
Supervised By :Mahesh Dadoda 11/07/2025



#72  
4-Ethyltoluene  
Concen: 9.597 ppbv  
RT: 11.121 min Scan# 3409  
Delta R.T. -0.007 min  
Lab File: VL043144.D  
Acq: 04 Nov 2025 08:25

Tgt Ion:105 Resp: 544492  
Ion Ratio Lower Upper  
105 100  
120 30.2 24.2 36.4  
91 12.6 10.0 15.0  
77 13.8 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 9.795 ppbv

RT: 11.199 min Scan# 3435

Delta R.T. -0.007 min

Lab File: VL043144.D

Acq: 04 Nov 2025 08:25

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 458339

Ion Ratio Lower Upper

105 100

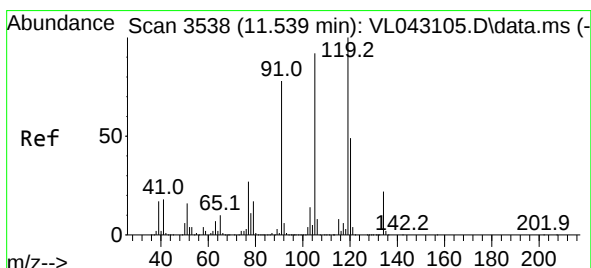
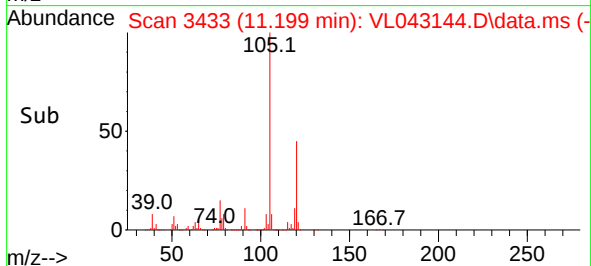
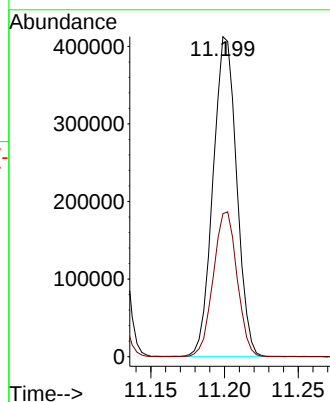
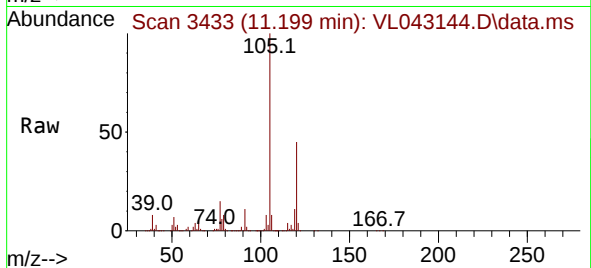
120 44.7 39.0 58.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#74

1,2,4-Trimethylbenzene

Concen: 9.414 ppbv

RT: 11.535 min Scan# 3537

Delta R.T. -0.004 min

Lab File: VL043144.D

Acq: 04 Nov 2025 08:25

Tgt Ion:105 Resp: 492936

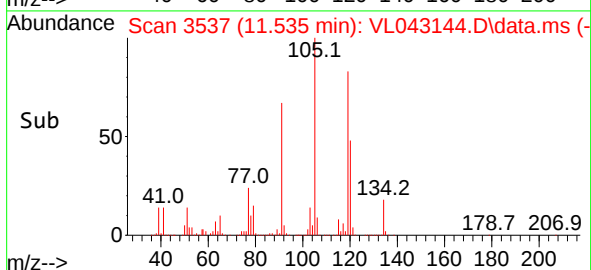
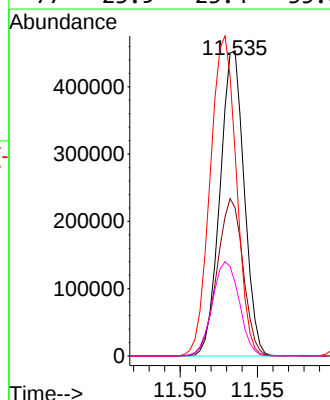
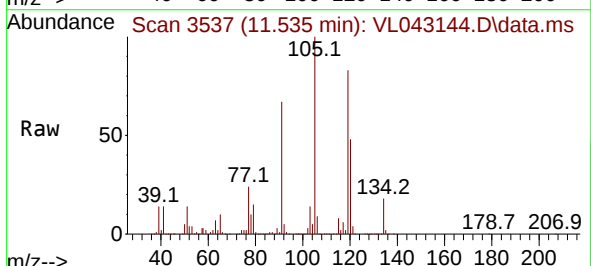
Ion Ratio Lower Upper

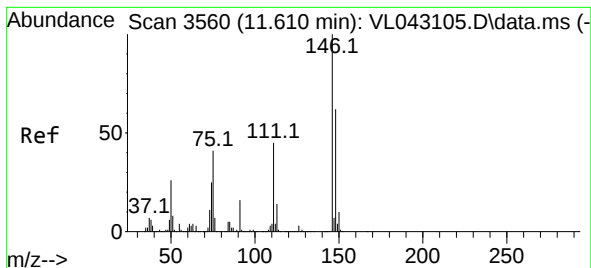
105 100

120 48.5 42.8 64.2

91 66.6 68.3 102.5#

77 23.9 23.4 35.0





#75

1,3-Dichlorobenzene

Concen: 9.908 ppbv

RT: 11.603 min Scan# 3558

Delta R.T. -0.007 min

Lab File: VL043144.D

Acq: 04 Nov 2025 08:25

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 300899

Ion Ratio Lower Upper

146 100

111 44.7 23.3 69.9

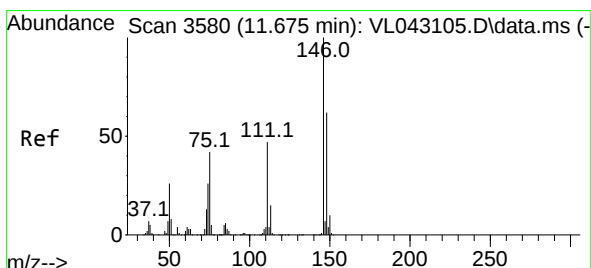
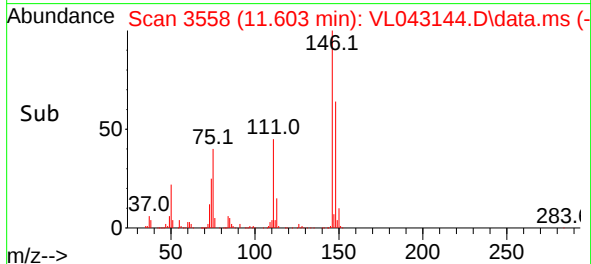
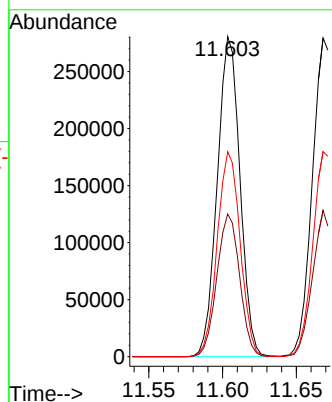
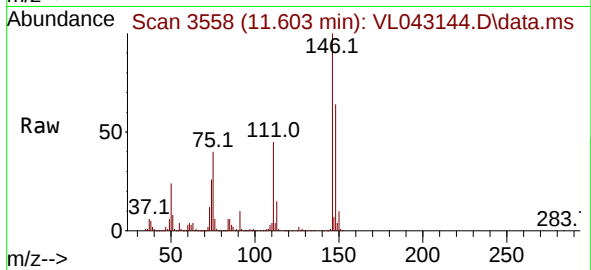
148 64.7 31.6 95.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#76

1,4-Dichlorobenzene

Concen: 9.970 ppbv

RT: 11.668 min Scan# 3578

Delta R.T. -0.007 min

Lab File: VL043144.D

Acq: 04 Nov 2025 08:25

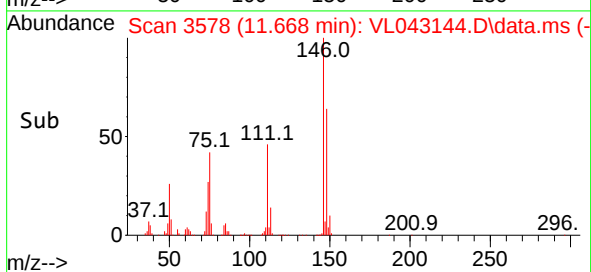
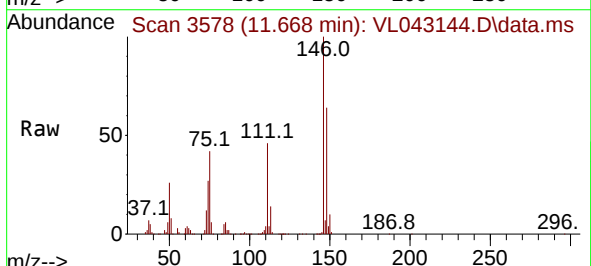
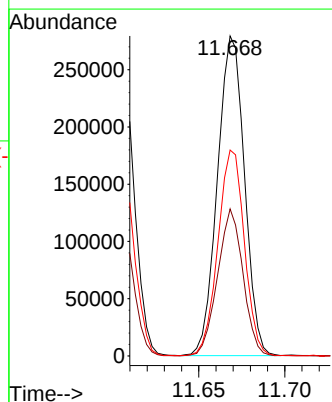
Tgt Ion:146 Resp: 305313

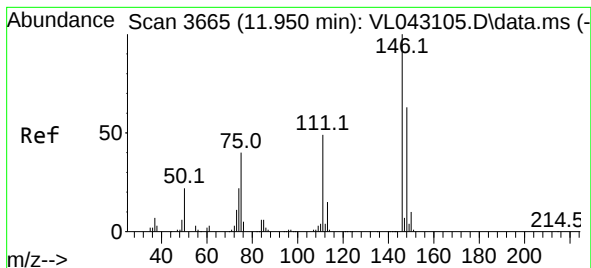
Ion Ratio Lower Upper

146 100

111 43.5 22.4 67.0

148 63.1 31.6 94.7





#77

1,2-Dichlorobenzene

Concen: 9.743 ppbv

RT: 11.943 min Scan# 3663

Delta R.T. -0.007 min

Lab File: VL043144.D

Acq: 04 Nov 2025 08:25

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 286249

Ion Ratio Lower Upper

146 100

111 46.9 24.0 72.0

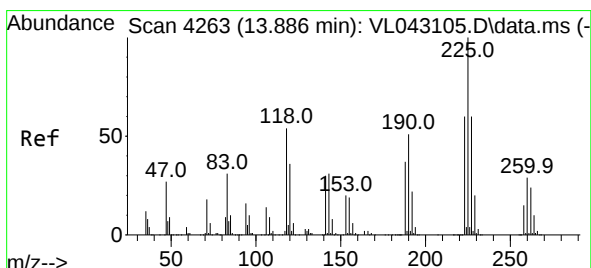
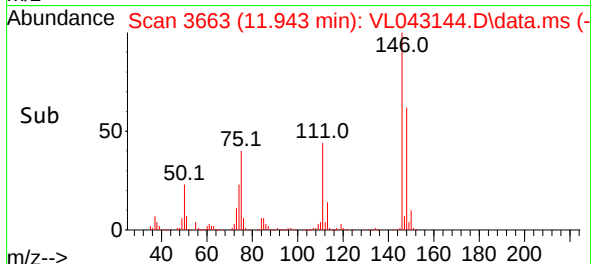
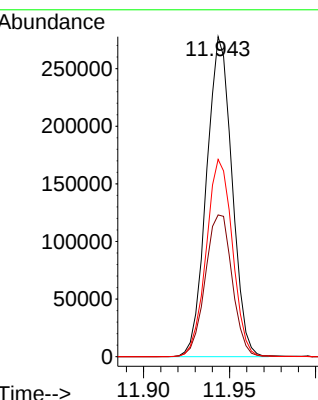
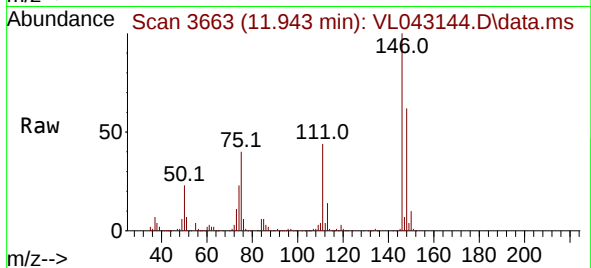
148 63.4 31.1 93.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#78

Hexachloro-1,3-Butadiene

Concen: 9.474 ppbv

RT: 13.879 min Scan# 4261

Delta R.T. -0.007 min

Lab File: VL043144.D

Acq: 04 Nov 2025 08:25

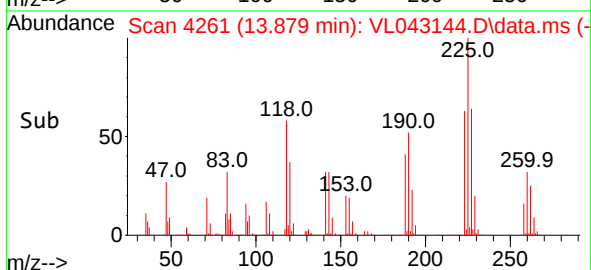
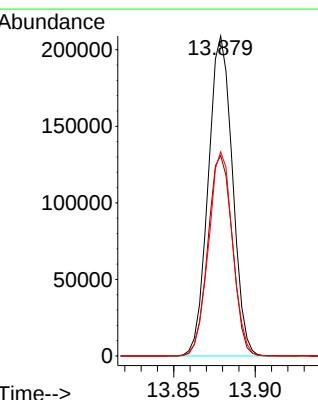
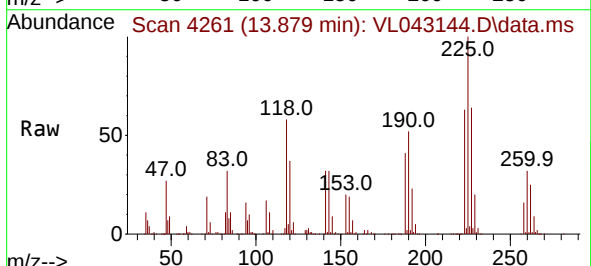
Tgt Ion:225 Resp: 215505

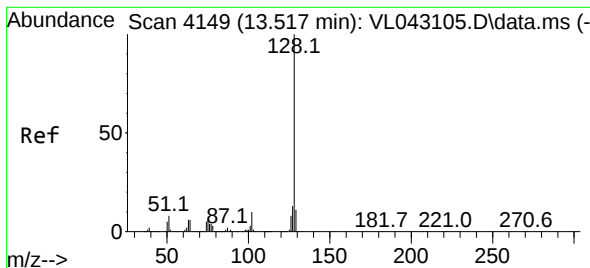
Ion Ratio Lower Upper

225 100

223 63.4 50.2 75.4

227 63.4 49.6 74.4





#79

Naphthalene

Concen: 9.334 ppbv

RT: 13.510 min Scan# 4149

Delta R.T. -0.007 min

Lab File: VL043144.D

Acq: 04 Nov 2025 08:25

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion:128 Resp: 510850

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

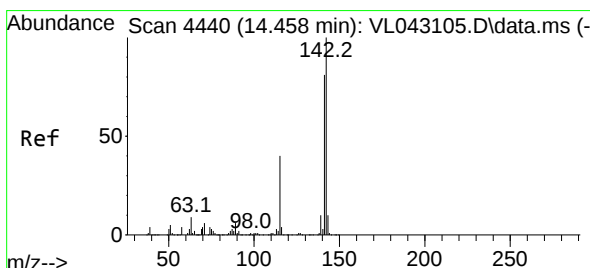
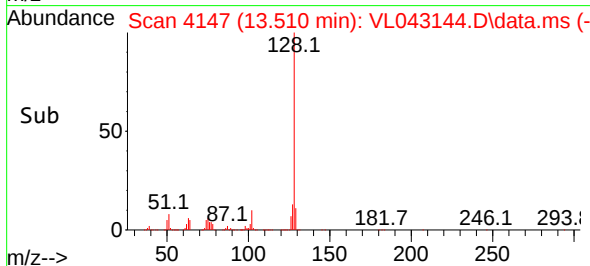
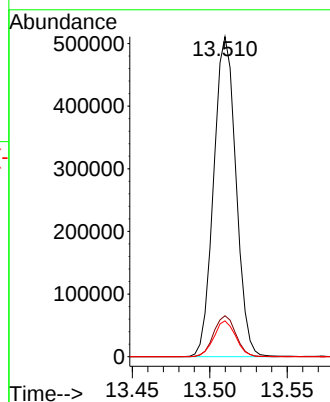
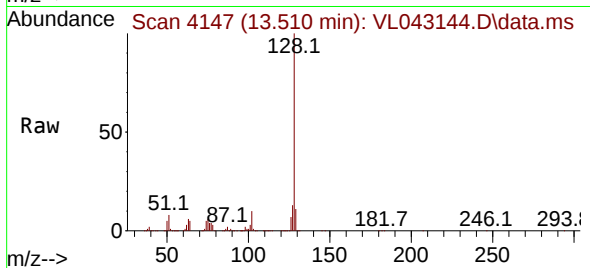
129 11.2 9.1 13.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#80

Naphthalene,2-methyl-

Concen: 11.008 ppbv

RT: 14.455 min Scan# 4439

Delta R.T. -0.004 min

Lab File: VL043144.D

Acq: 04 Nov 2025 08:25

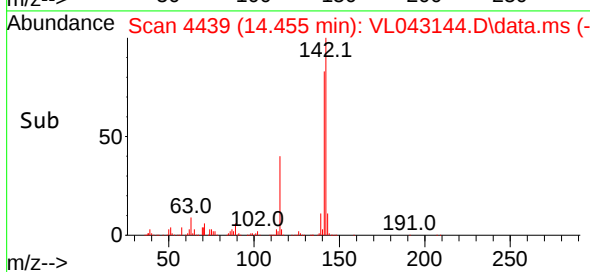
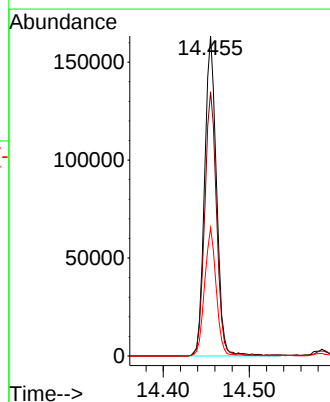
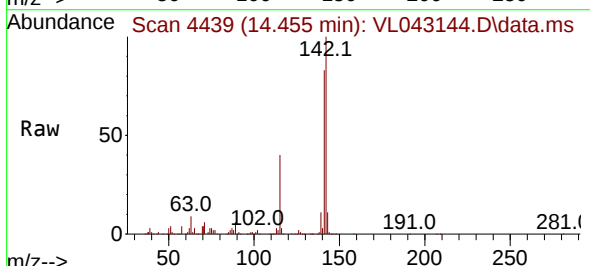
Tgt Ion:142 Resp: 156960

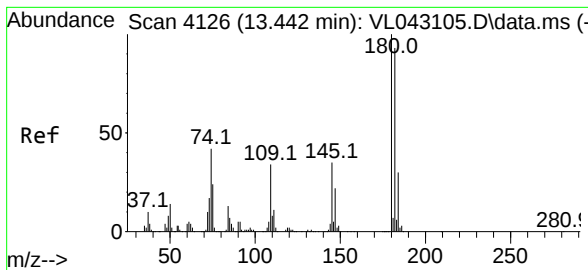
Ion Ratio Lower Upper

142 100

141 83.0 64.6 97.0

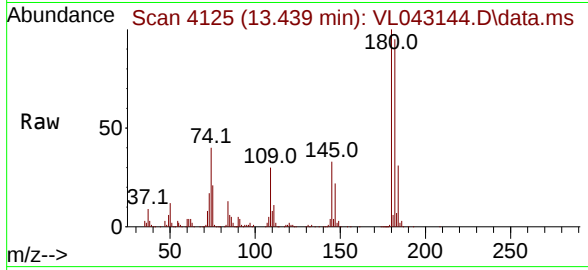
115 39.6 30.2 45.4





#81  
 1,2,4-Trichlorobenzene  
 Concen: 10.121 ppbv  
 RT: 13.439 min Scan# 41  
 Delta R.T. -0.004 min  
 Lab File: VL043144.D  
 Acq: 04 Nov 2025 08:25

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



Tgt Ion:180 Resp: 22990

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.3  | 75.5  | 113.3 |
| 184 | 30.6  | 23.9  | 35.9  |

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 11/07/2025  
 Supervised By :Mahesh Dadoda 11/07/2025

