

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042371.D
 Acq On : 17 Apr 2025 22:52
 Operator : SY/MD
 Sample : Q1726-06
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-3-03312025

Quant Time: Apr 18 02:45:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	113154	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	322735	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	284478	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.377	95	237949	10.179	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.800%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.499	85	9517	0.476	ppbv	98
3) Chlorodifluoromethane	1.466	51	70640	3.711	ppbv #	62
4) Chloromethane	1.534	50	9764	1.234	ppbv	98
6) Bromomethane	1.670	94	582	0.157	ppbv	94
7) Chloroethane	1.703	64	262	0.084	ppbv	93
9) Propene	1.560	41	95611	11.028	ppbv	91
10) Heptane	4.981	43	82673	3.394	ppbv	99
11) Trichlorofluoromethane	1.874	101	4499	0.237	ppbv #	83
12) 1,1,2-Trichlorotrifluo...	2.140	101	1043	0.067	ppbv #	64
13) Ethanol	1.722	45	429340	311.565	ppbv	75
15) Acetone	1.835	43	3062508	165.330	ppbv #	44
16) 1,3-Butadiene	1.622	39	32090	3.622	ppbv #	16
17) tert-Butyl alcohol	2.272	59	50884	2.217	ppbv	97
19) Isopropyl Alcohol	1.887	45	355287	34.527	ppbv #	33
20) Methylene Chloride	2.062	84	22966	3.166	ppbv	89
21) Allyl Chloride	2.046	41	4920	0.385	ppbv #	35
23) Vinyl Acetate	2.457	43	29683	3.959	ppbv #	78
25) Ethyl Acetate	2.826	43	56098	1.228	ppbv #	84
26) Hexane	2.826	57	65232	3.529	ppbv #	37
27) Carbon Disulfide	2.149	76	1709	0.086	ppbv #	41
29) Chloroform	2.852	83	3991	0.153	ppbv	86
30) Cyclohexane	3.855	84	16571	1.109	ppbv #	84
34) 2-Butanone	2.560	43	54027	2.117	ppbv	99
35) Carbon Tetrachloride	3.764	117	2319	0.079	ppbv	84
36) Benzene	3.661	78	36905	1.060	ppbv	96
37) 1,2-Dichloroethane	3.221	62	4782	0.229	ppbv	97
39) 1,2-Dichloropropane	3.962	63	85836	6.617	ppbv #	22
41) Tetrahydrofuran	3.065	42	5065	0.340	ppbv #	78
43) Methyl Methacrylate	4.891	69	807	0.051	ppbv #	1
44) 2,2,4-Trimethylpentane	4.645	57	567345	9.437	ppbv	95
50) 4-Methyl-2-Pentanone	5.765	43	2416	0.057	ppbv #	39
51) 2-Hexanone	7.422	43	28690	0.754	ppbv #	27
52) Tetrachloroethene	8.228	164	1390	0.103	ppbv #	80
53) Toluene	6.936	91	931135	22.290	ppbv	99
58) Ethyl Benzene	9.357	91	239708	4.253	ppbv	98
59) m/p-Xylene	9.532	91	678219	14.937	ppbv	100
60) o-Xylene	9.966	91	265965	5.817	ppbv	99
61) Styrene	9.872	104	8564	0.392	ppbv	95
62) Isopropylbenzene	10.539	105	26216	0.391	ppbv	99
64) n-propylbenzene	10.992	120	21875	1.296	ppbv	95
65) tert-Butylbenzene	11.536	119	43701	0.708	ppbv #	68
66) Benzyl Chloride	11.536	91	51402	7.582	ppbv #	70
67) sec-Butylbenzene	11.772	105	8506	0.099	ppbv #	73

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 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-3-03312025

Quant Time: Apr 18 02:45:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

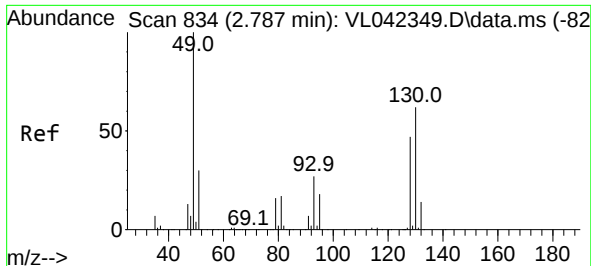
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

69) p-Isopropyltoluene	11.927	119	23201	0.311	ppbv	94
70) n-Butylbenzene	12.283	91	24014	0.309	ppbv #	74
71) 2-Chlorotoluene	10.901	91	44364	0.843	ppbv	96
72) 4-Ethyltoluene	11.125	105	117824	2.108	ppbv #	56
73) 1,3,5-Trimethylbenzene	11.205	105	128254	2.599	ppbv	99
74) 1,2,4-Trimethylbenzene	11.536	105	415758	7.213	ppbv #	63
76) 1,4-Dichlorobenzene	11.675	146	6136	0.204	ppbv	82
77) 1,2-Dichlorobenzene	11.675	146	6136	0.211	ppbv	95
79) Naphthalene	13.516	128	31283	0.454	ppbv #	95
80) Naphthalene,2-methyl-	14.461	142	5013	0.128	ppbv #	88

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

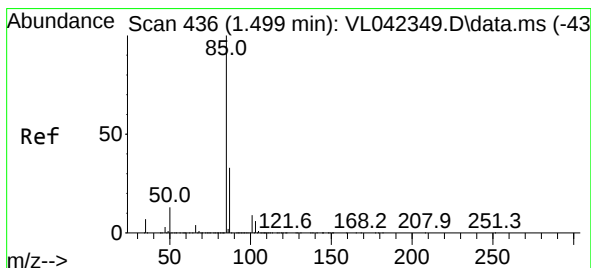
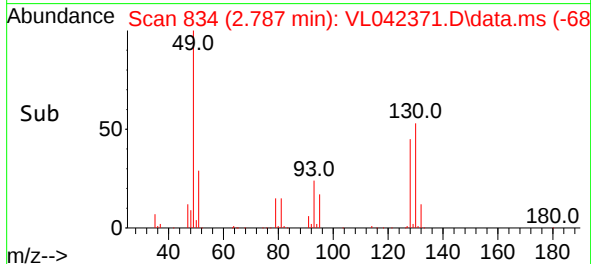
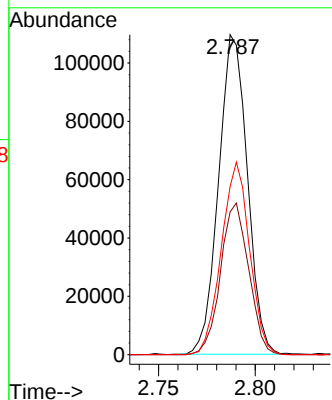
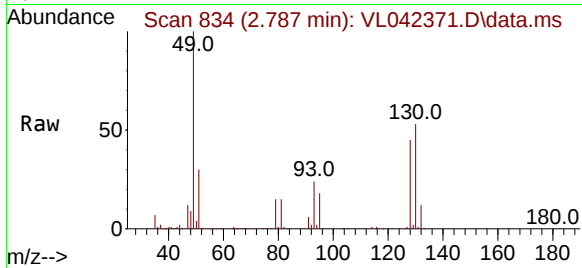




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. -0.000 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

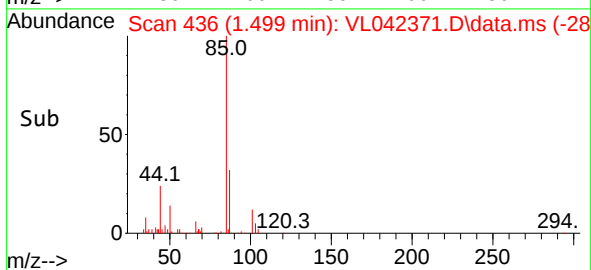
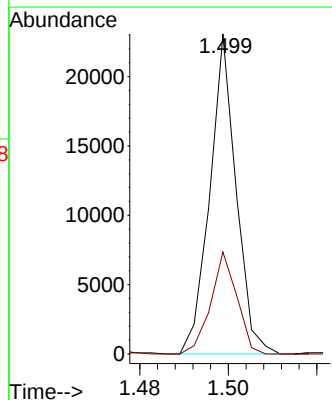
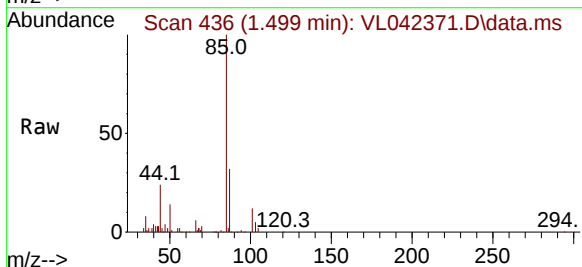
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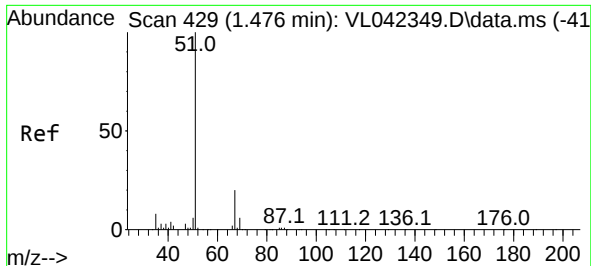
Tgt Ion: 49 Resp: 113154
Ion Ratio Lower Upper
49 100
128 46.5 22.8 68.4
130 59.1 29.3 88.0



#2
Dichlorodifluoromethane
Concen: 0.476 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

Tgt Ion: 85 Resp: 9517
Ion Ratio Lower Upper
85 100
87 31.9 26.6 39.8

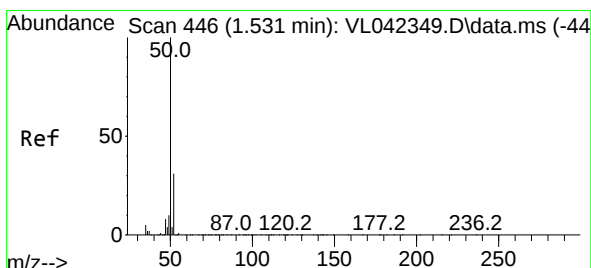
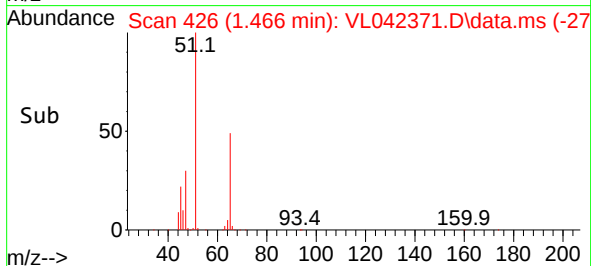
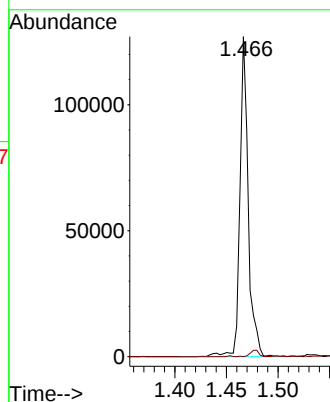
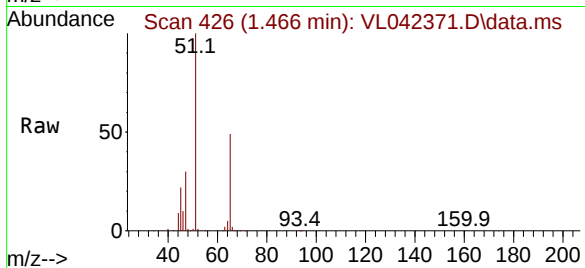




#3
Chlorodifluoromethane
Concen: 3.711 ppbv
RT: 1.466 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

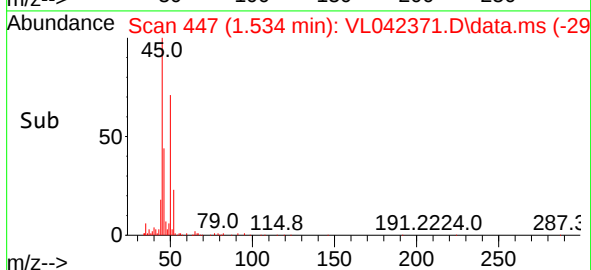
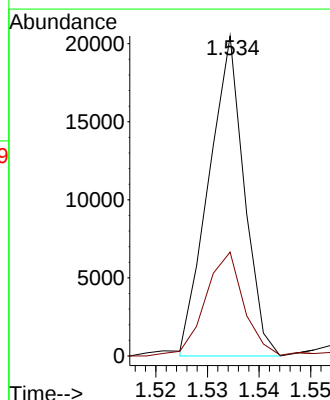
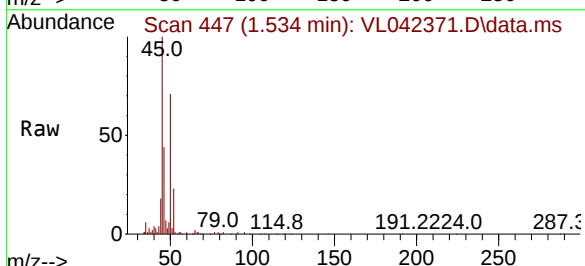
Instrument :
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ClientSampleId :
IA-B2-3-03312025

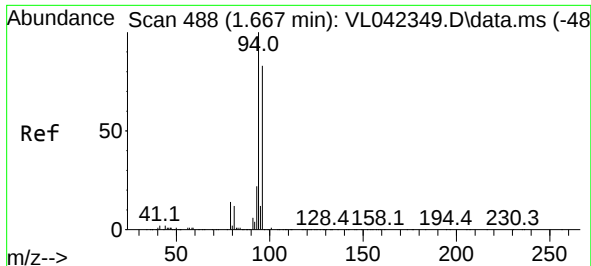
Tgt Ion: 51 Resp: 70640
Ion Ratio Lower Upper
51 100
67 2.6 16.2 24.4#



#4
Chloromethane
Concen: 1.234 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

Tgt Ion: 50 Resp: 9764
Ion Ratio Lower Upper
50 100
52 32.2 24.7 37.1

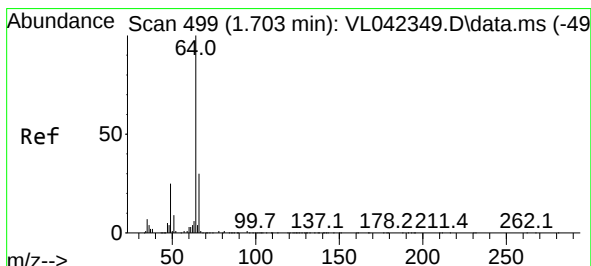
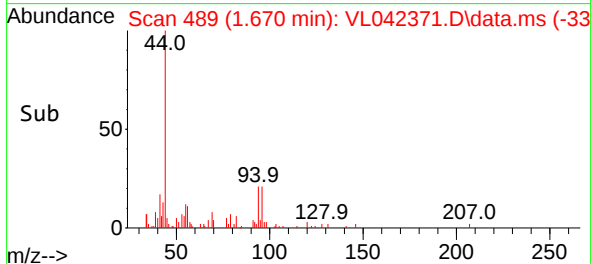
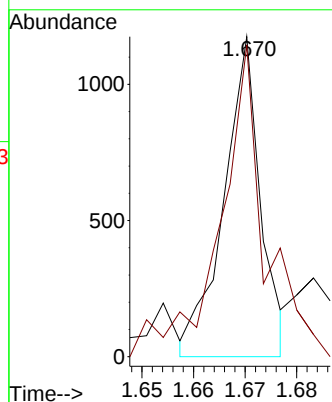
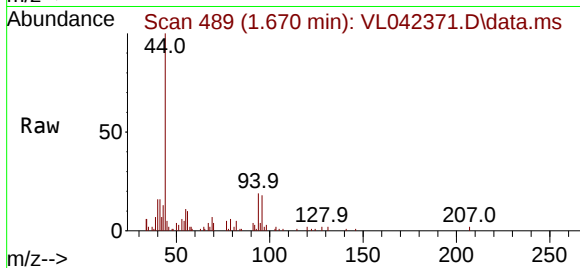




#6
Bromomethane
Concen: 0.157 ppbv
RT: 1.670 min Scan# 489
Delta R.T. 0.003 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

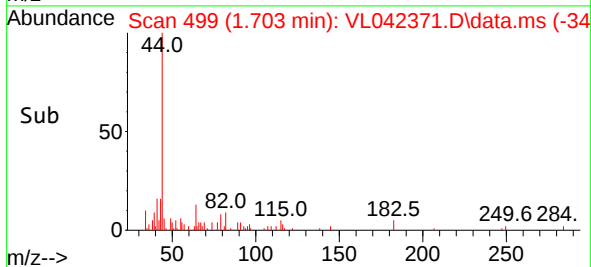
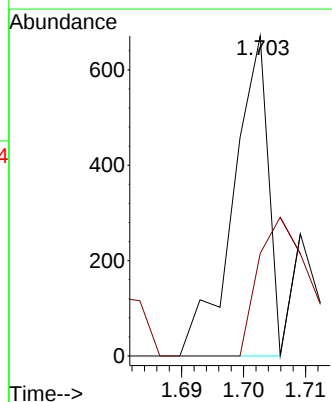
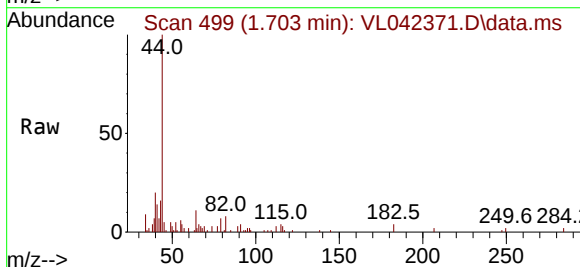
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ClientSampleId :
IA-B2-3-03312025

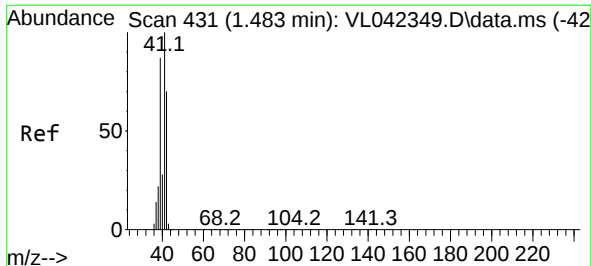
Tgt Ion: 94 Resp: 582
Ion Ratio Lower Upper
94 100
96 87.7 66.2 99.2



#7
Chloroethane
Concen: 0.084 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

Tgt Ion: 64 Resp: 262
Ion Ratio Lower Upper
64 100
66 27.0 24.6 37.0

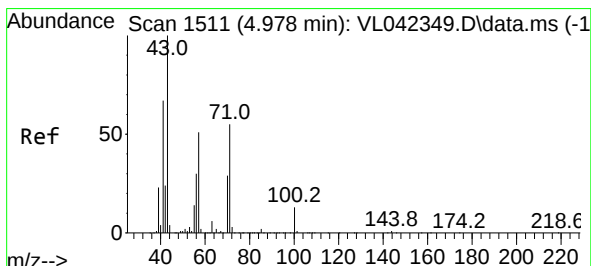
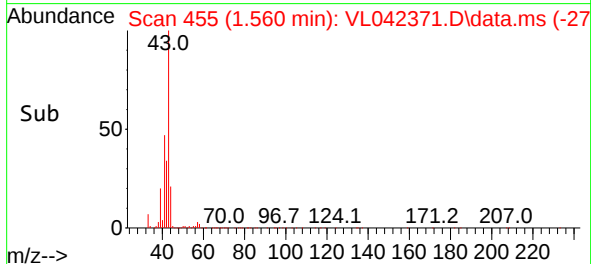
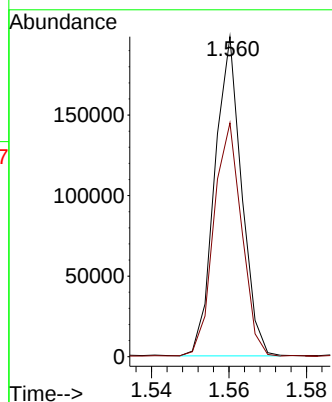
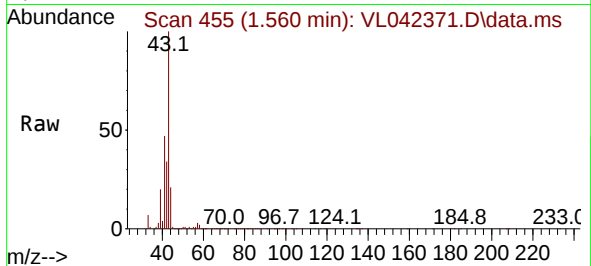




#9
 Propene
 Concen: 11.028 ppbv
 RT: 1.560 min Scan# 41
 Delta R.T. 0.078 min
 Lab File: VL042371.D
 Acq: 17 Apr 2025 22:52

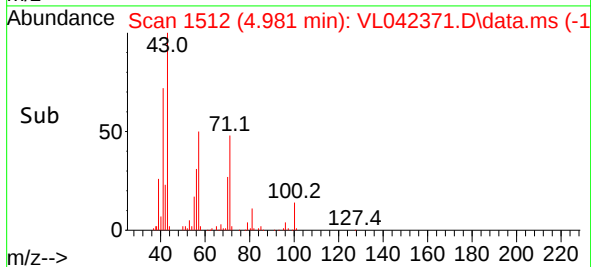
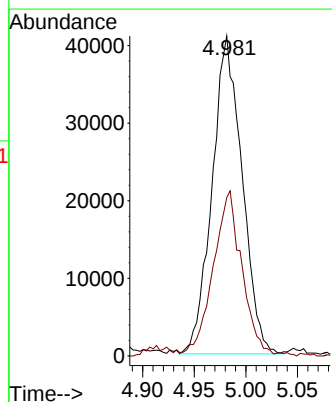
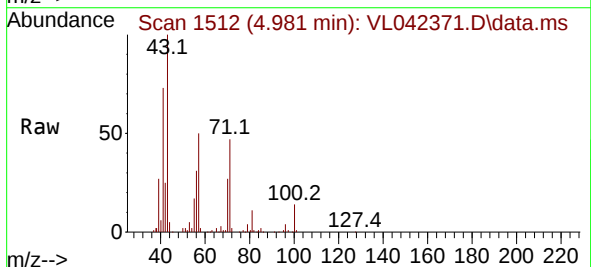
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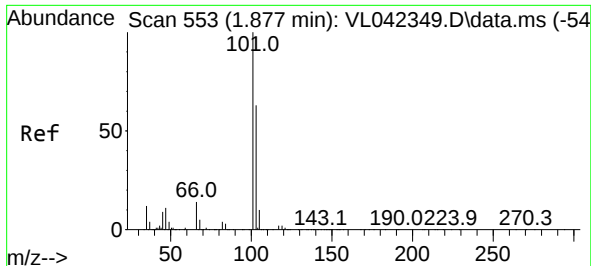
Tgt Ion: 41 Resp: 95611
 Ion Ratio Lower Upper
 41 100
 42 77.3 56.2 84.4



#10
 Heptane
 Concen: 3.394 ppbv
 RT: 4.981 min Scan# 1512
 Delta R.T. 0.003 min
 Lab File: VL042371.D
 Acq: 17 Apr 2025 22:52

Tgt Ion: 43 Resp: 82673
 Ion Ratio Lower Upper
 43 100
 57 50.3 39.9 59.9

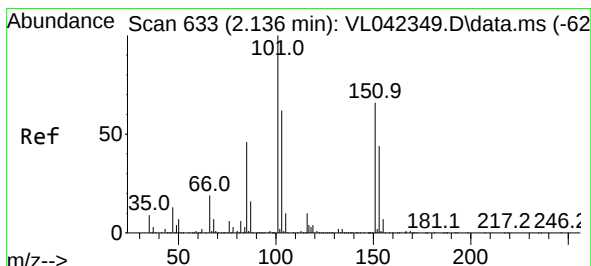
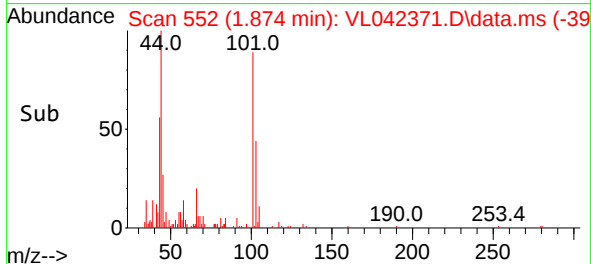
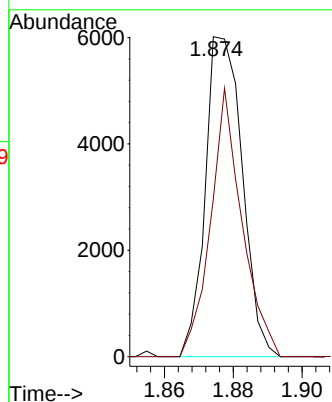
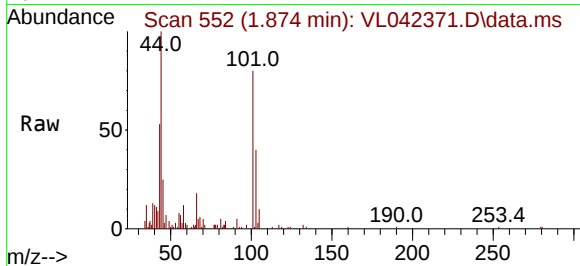




#11
 Trichlorofluoromethane
 Concen: 0.237 ppbv
 RT: 1.874 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VL042371.D
 Acq: 17 Apr 2025 22:52

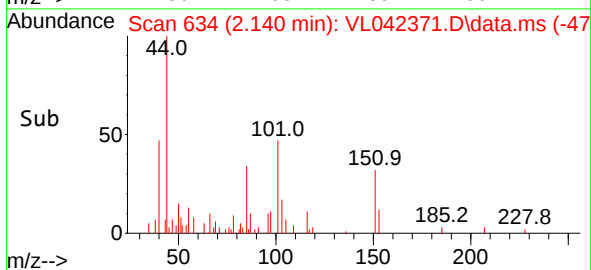
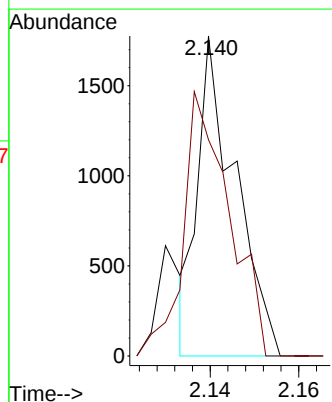
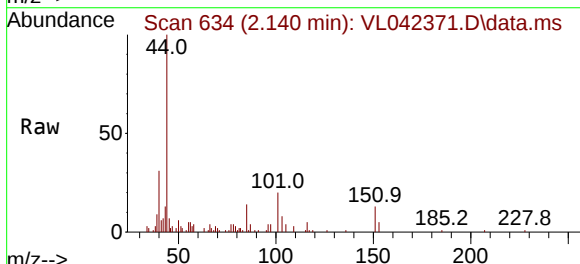
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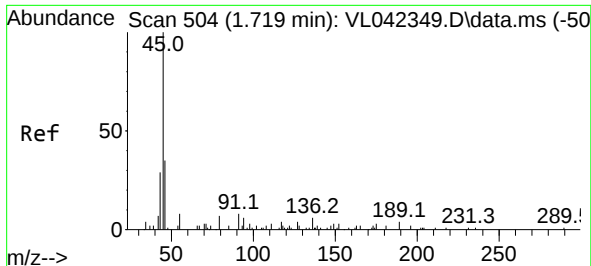
Tgt Ion:101 Resp: 4499
 Ion Ratio Lower Upper
 101 100
 103 49.2 50.1 75.1#



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.067 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.003 min
 Lab File: VL042371.D
 Acq: 17 Apr 2025 22:52

Tgt Ion:101 Resp: 1043
 Ion Ratio Lower Upper
 101 100
 151 101.2 57.0 85.6#

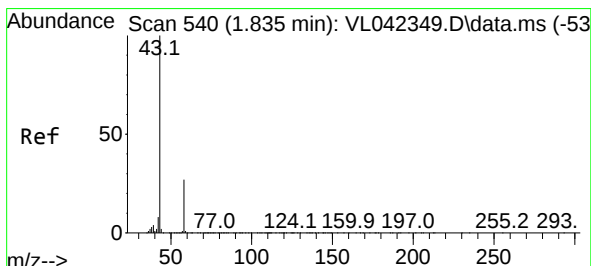
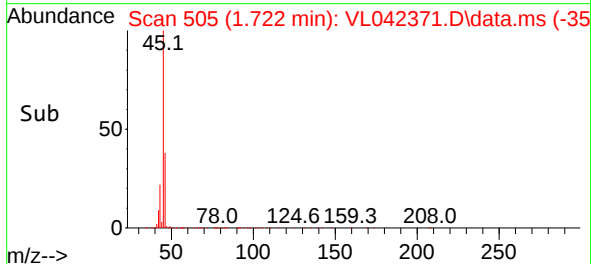
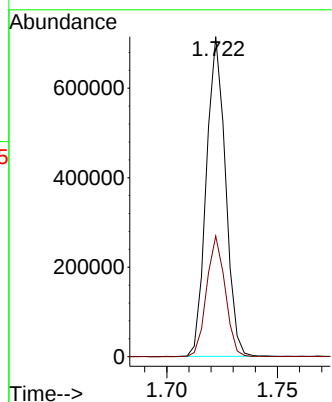
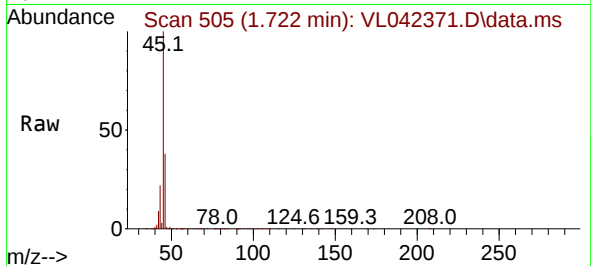




#13
Ethanol
Concen: 311.565 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

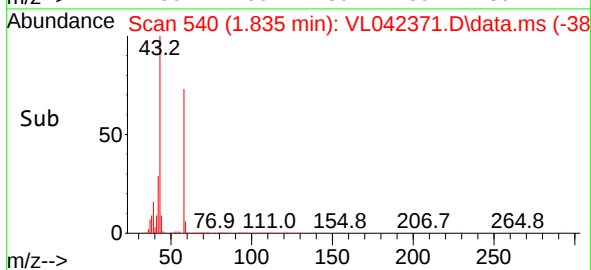
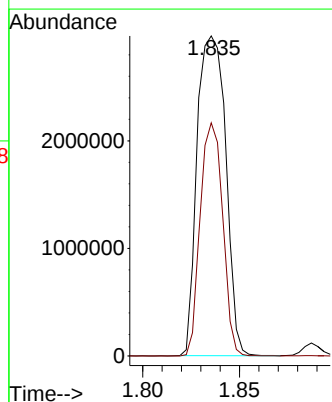
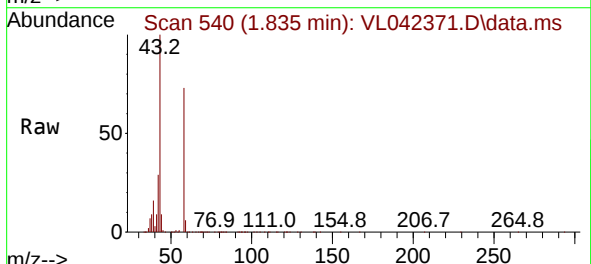
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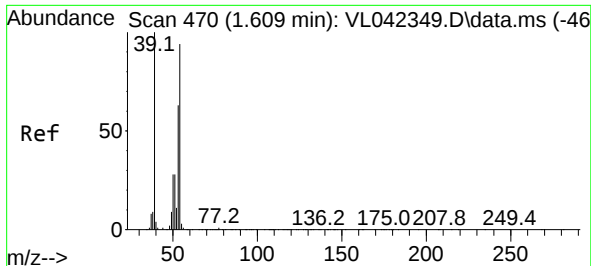
Tgt Ion: 45 Resp: 429340
Ion Ratio Lower Upper
45 100
46 36.8 21.9 87.7



#15
Acetone
Concen: 165.330 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

Tgt Ion: 43 Resp: 3062508
Ion Ratio Lower Upper
43 100
58 57.3 22.4 33.6#

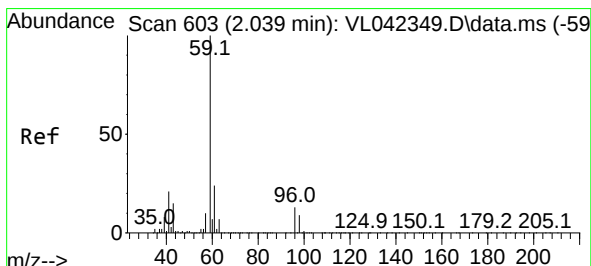
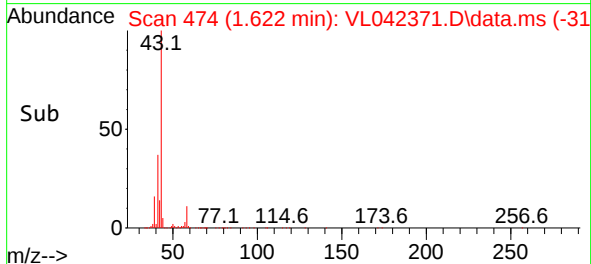
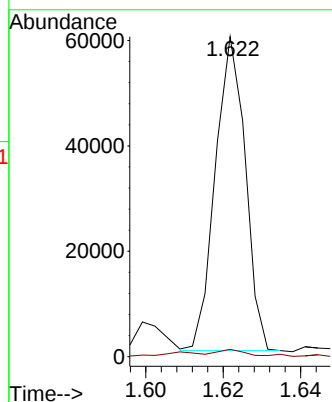
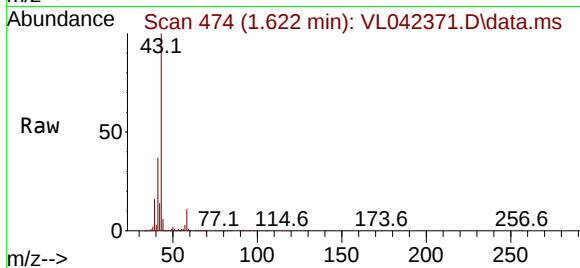




#16
1,3-Butadiene
Concen: 3.622 ppbv
RT: 1.622 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

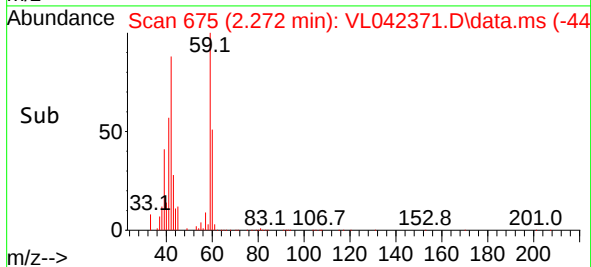
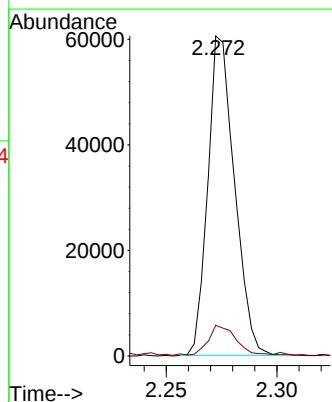
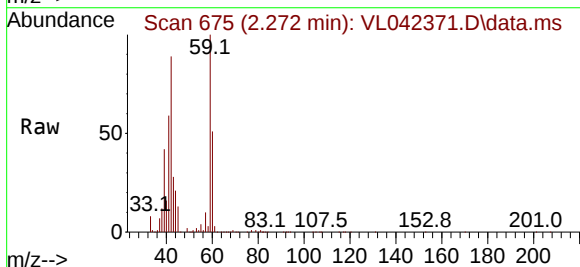
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025

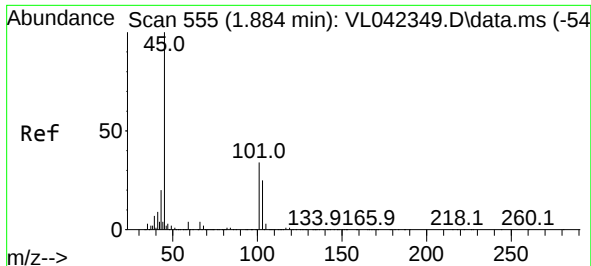
Tgt Ion: 39 Resp: 32090
Ion Ratio Lower Upper
39 100
54 6.8 64.9 97.3#



#17
tert-Butyl alcohol
Concen: 2.217 ppbv
RT: 2.272 min Scan# 675
Delta R.T. 0.233 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

Tgt Ion: 59 Resp: 50884
Ion Ratio Lower Upper
59 100
57 11.9 8.7 13.1

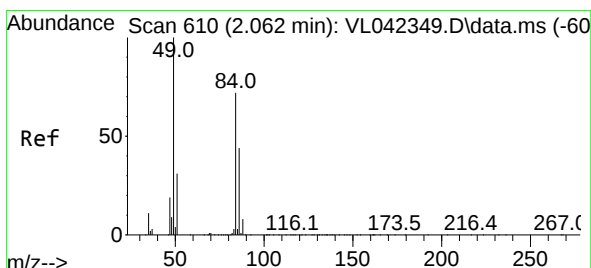
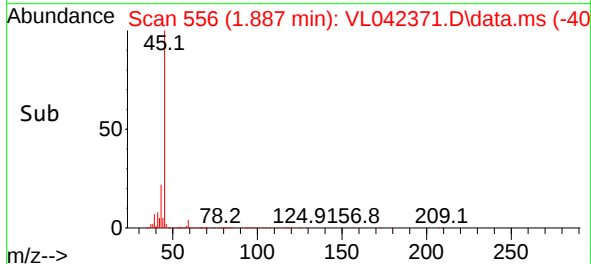
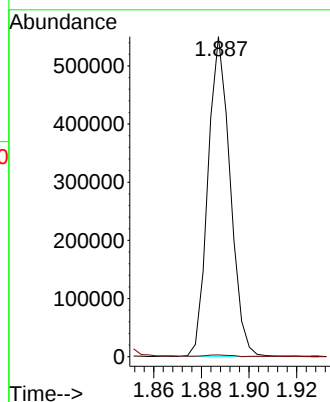
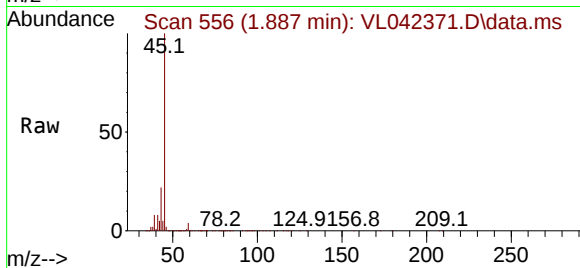




#19
Isopropyl Alcohol
Concen: 34.527 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

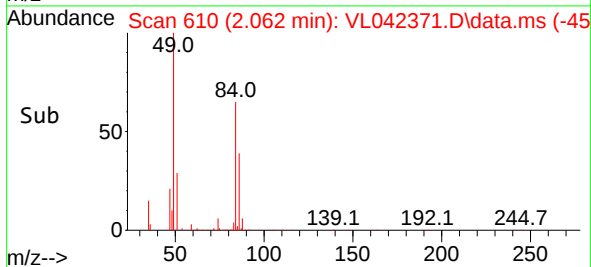
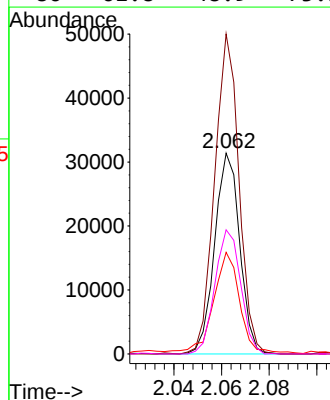
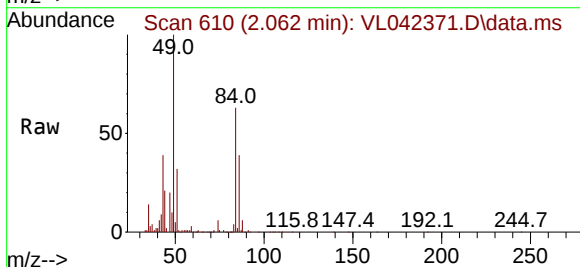
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025

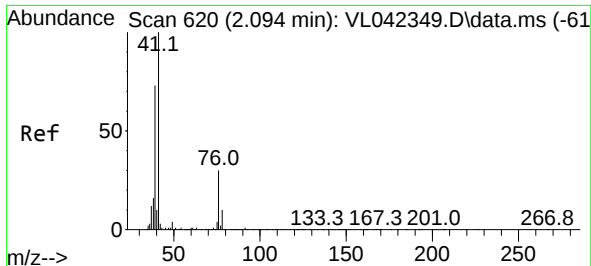
Tgt Ion: 45 Resp: 355287
Ion Ratio Lower Upper
45 100
58 0.0 34.5 51.7#



#20
Methylene Chloride
Concen: 3.166 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

Tgt Ion: 84 Resp: 22966
Ion Ratio Lower Upper
84 100
49 159.3 111.6 167.4
51 49.6 35.1 52.7
86 61.8 48.9 73.3

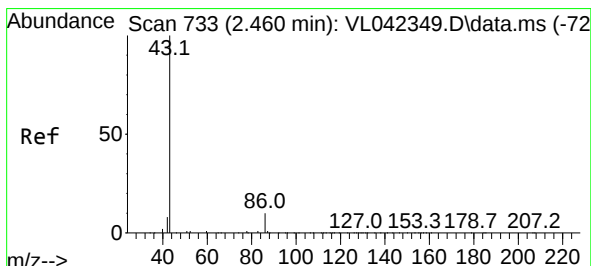
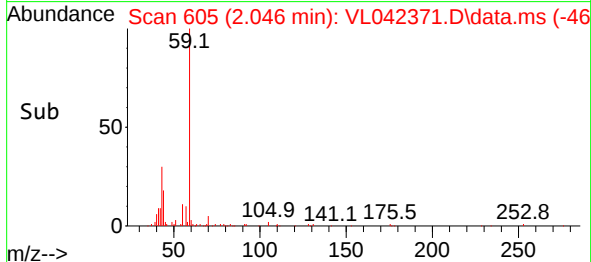
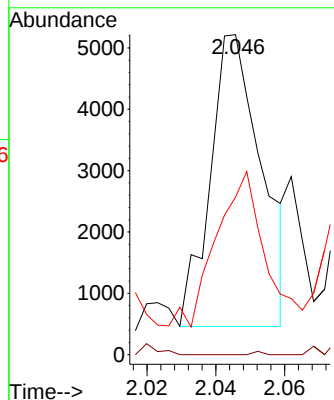
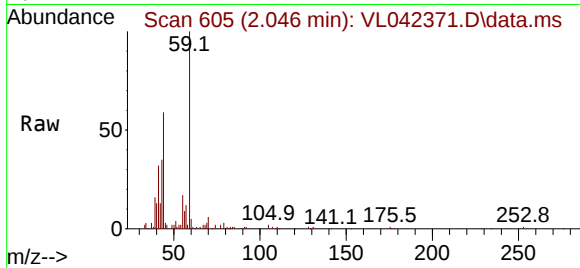




#21
 Allyl Chloride
 Concen: 0.385 ppbv
 RT: 2.046 min Scan# 605
 Delta R.T. -0.049 min
 Lab File: VL042371.D
 Acq: 17 Apr 2025 22:52

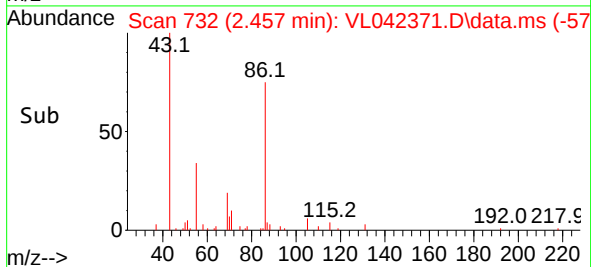
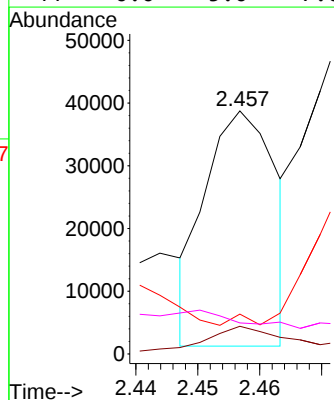
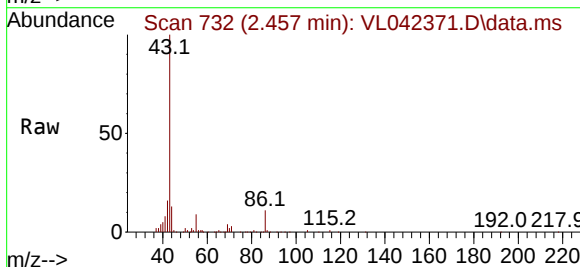
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-3-03312025

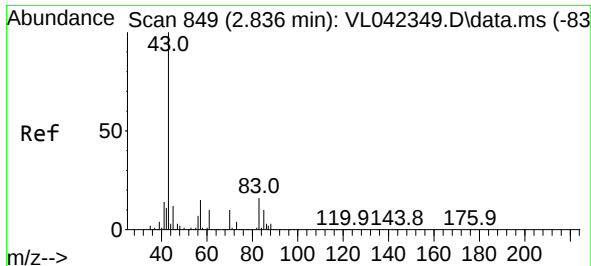
Tgt Ion:	41	Resp:	4920
Ion Ratio	Lower	Upper	
41	100		
76	36.0	24.8	37.2
39	0.0	60.6	90.8#



#23
 Vinyl Acetate
 Concen: 3.959 ppbv
 RT: 2.457 min Scan# 732
 Delta R.T. -0.003 min
 Lab File: VL042371.D
 Acq: 17 Apr 2025 22:52

Tgt Ion:	43	Resp:	29683
Ion Ratio	Lower	Upper	
43	100		
86	14.5	6.5	9.7#
42	0.0	7.8	11.8#
44	0.0	5.0	7.6#

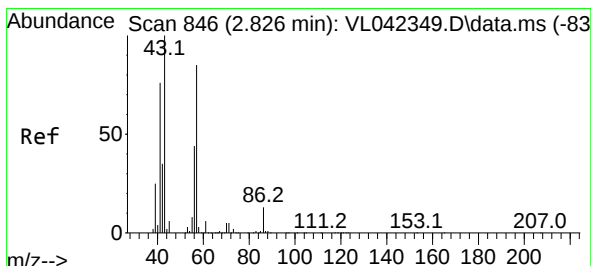
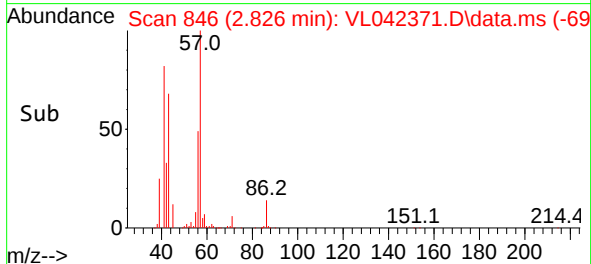
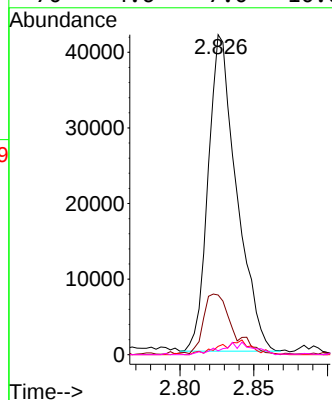
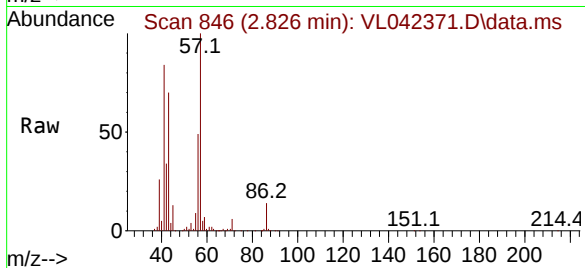




#25
Ethyl Acetate
Concen: 1.228 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.010 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

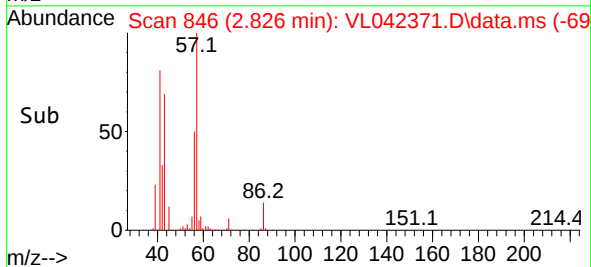
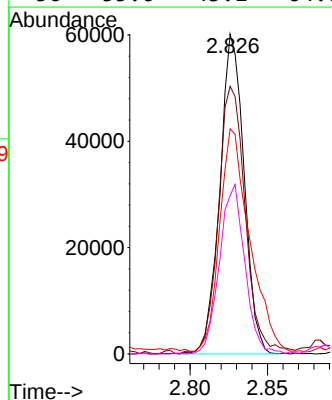
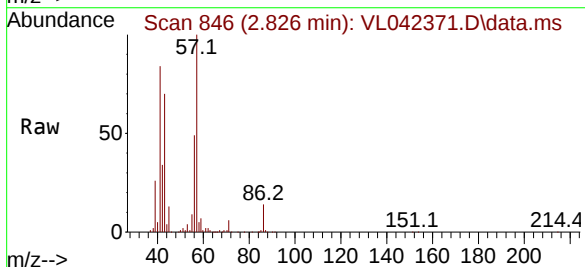
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025

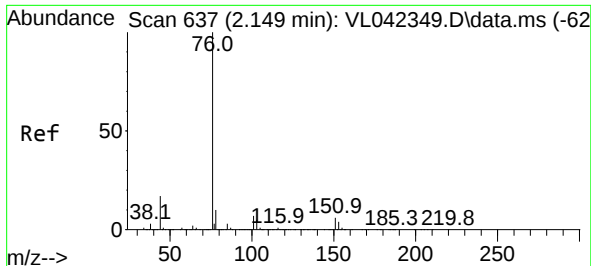
Tgt Ion: 43 Resp: 56098
Ion Ratio Lower Upper
43 100
45 19.3 8.3 12.5#
61 5.3 7.3 10.9#
70 4.6 7.0 10.6#



#26
Hexane
Concen: 3.529 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.000 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

Tgt Ion: 57 Resp: 65232
Ion Ratio Lower Upper
57 100
41 92.4 77.9 116.9
43 85.1 208.4 312.6#
56 55.6 43.1 64.7

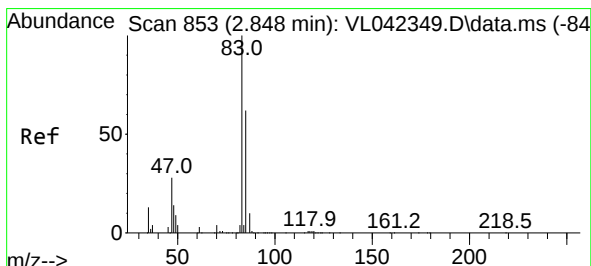
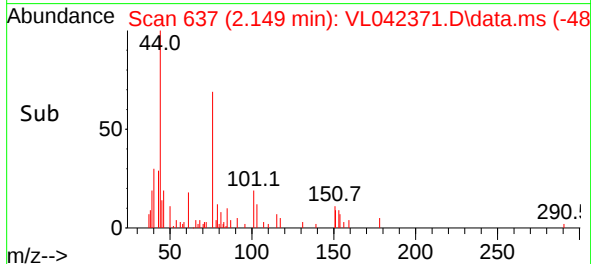
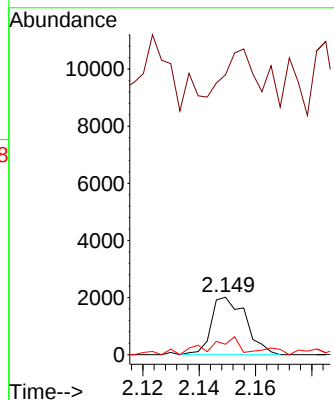
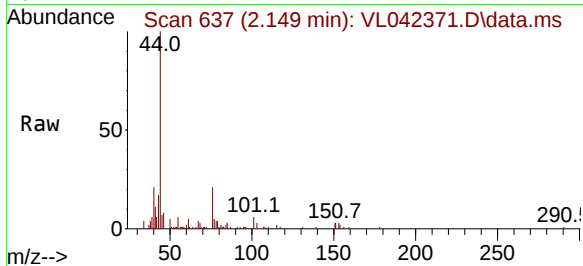




#27
Carbon Disulfide
Concen: 0.086 ppbv
RT: 2.149 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

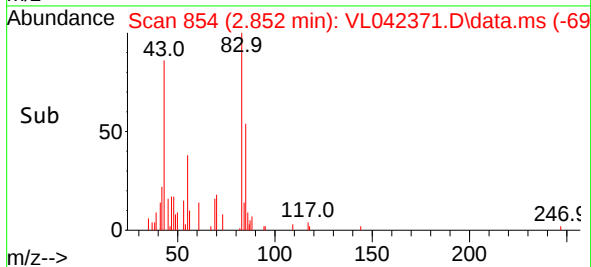
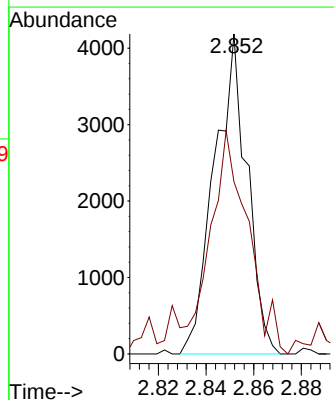
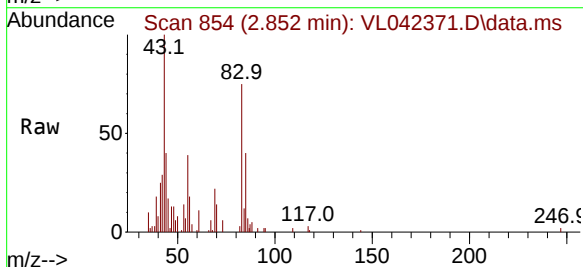
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025

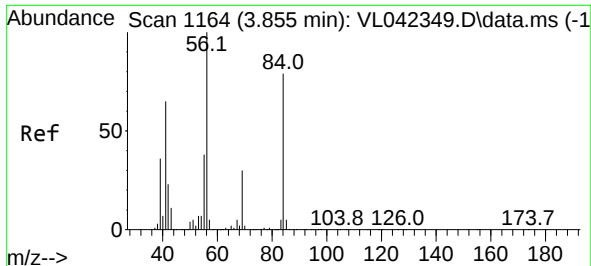
Tgt Ion: 76 Resp: 1709
Ion Ratio Lower Upper
76 100
44 0.0 15.5 23.3#
78 44.6 9.3 13.9#



#29
Chloroform
Concen: 0.153 ppbv
RT: 2.852 min Scan# 854
Delta R.T. 0.003 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

Tgt Ion: 83 Resp: 3991
Ion Ratio Lower Upper
83 100
85 51.6 50.0 75.0

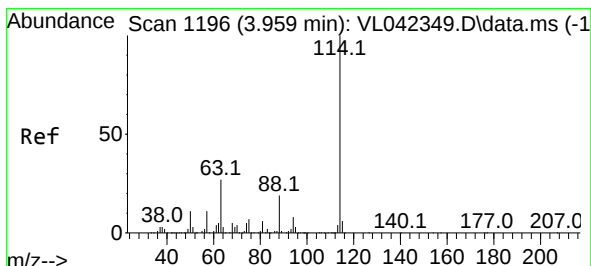
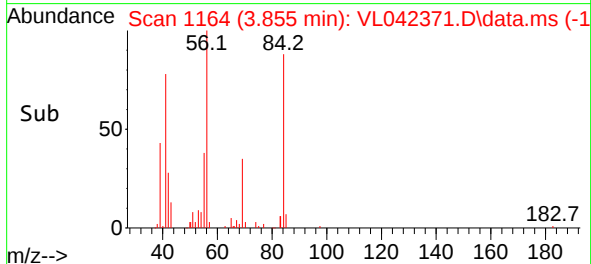
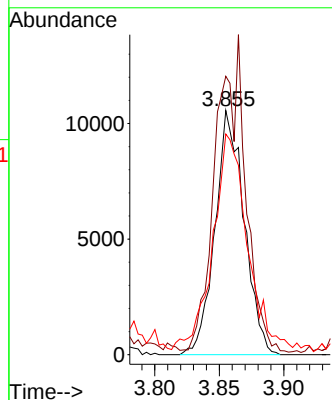
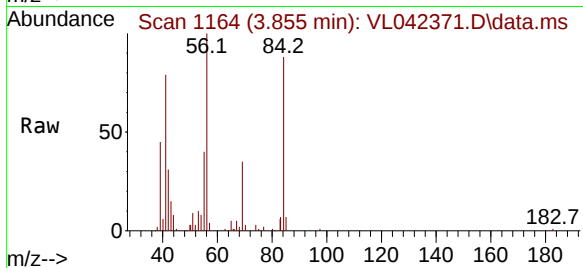




#30
Cyclohexane
Concen: 1.109 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. -0.000 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

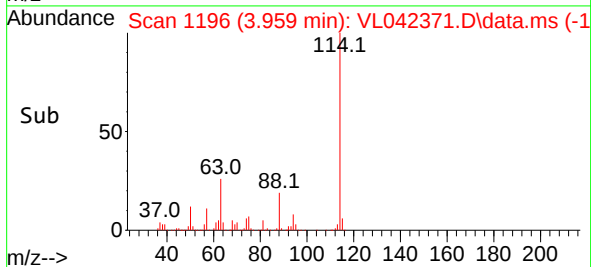
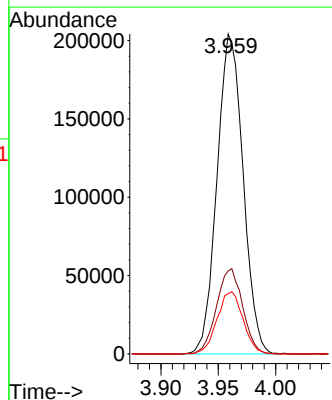
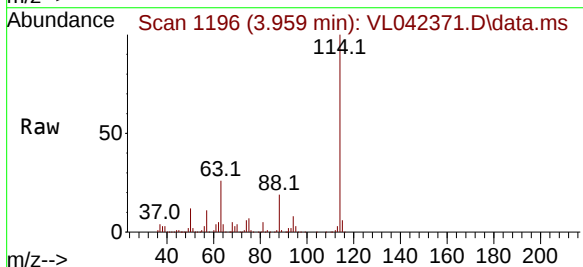
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025

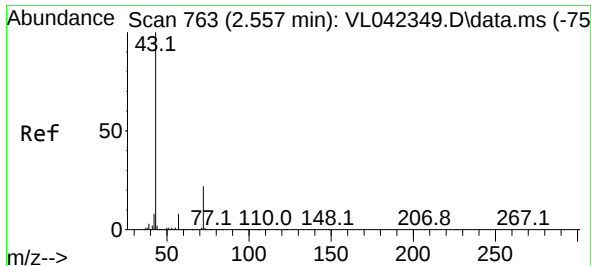
Tgt Ion: 84 Resp: 16571
Ion Ratio Lower Upper
84 100
56 136.5 101.0 151.4
41 109.0 67.4 101.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.000 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

Tgt Ion: 114 Resp: 322735
Ion Ratio Lower Upper
114 100
63 26.7 21.8 32.6
88 19.4 15.5 23.3

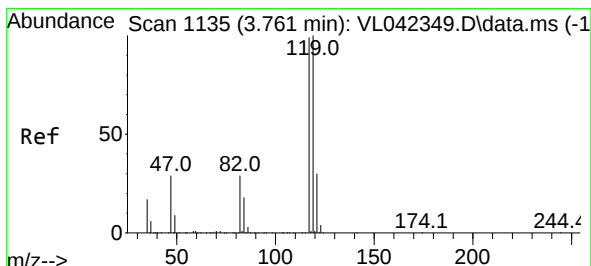
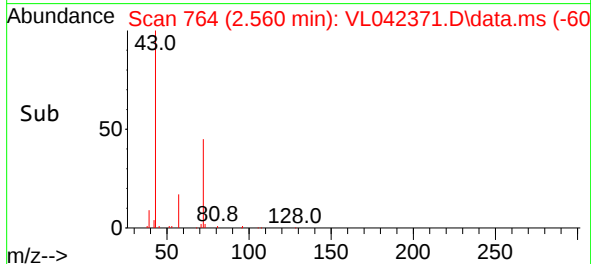
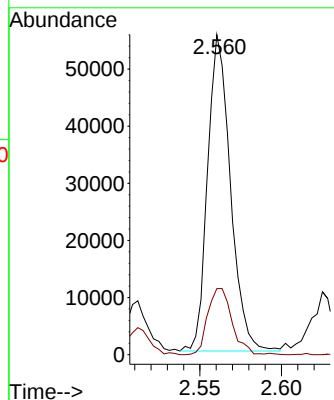
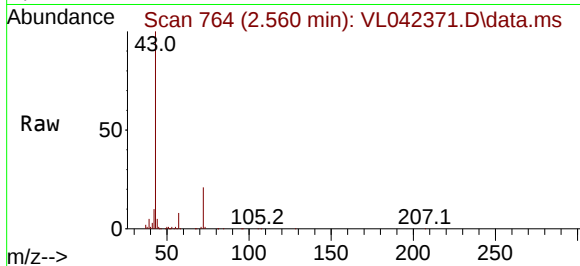




#34
2-Butanone
Concen: 2.117 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

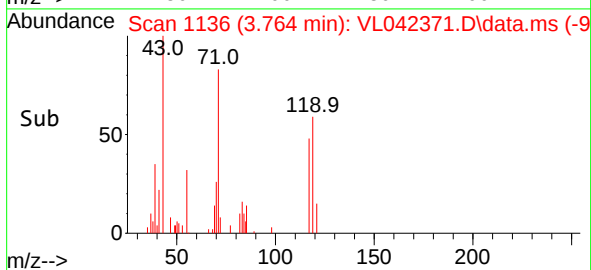
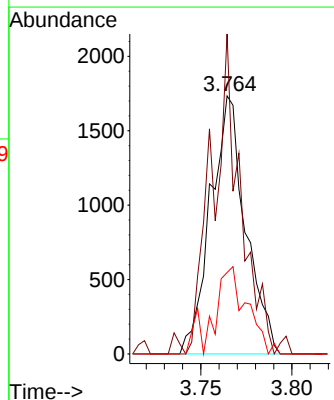
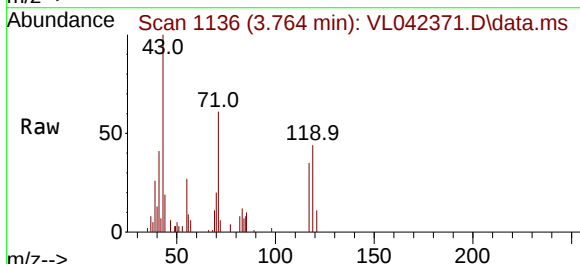
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025

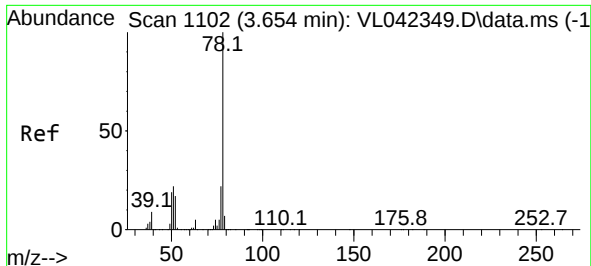
Tgt Ion: 43 Resp: 54027
Ion Ratio Lower Upper
43 100
72 22.4 18.2 27.2



#35
Carbon Tetrachloride
Concen: 0.079 ppbv
RT: 3.764 min Scan# 1136
Delta R.T. 0.003 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

Tgt Ion: 117 Resp: 2319
Ion Ratio Lower Upper
117 100
119 120.2 80.5 120.7
121 31.5 24.2 36.2

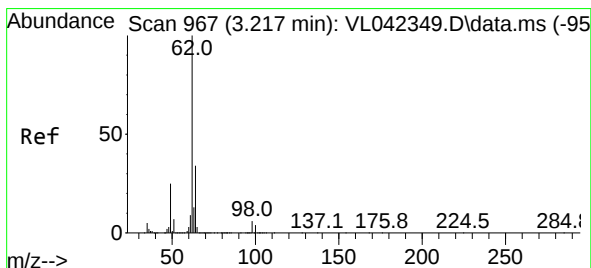
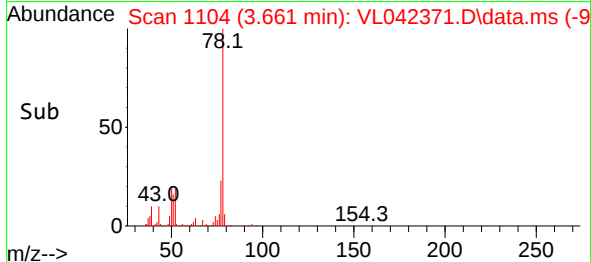
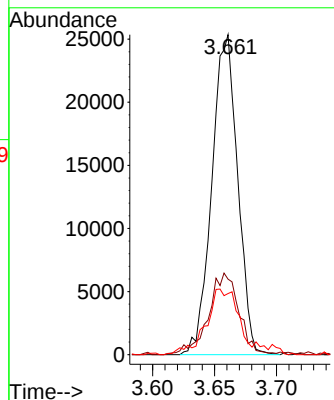
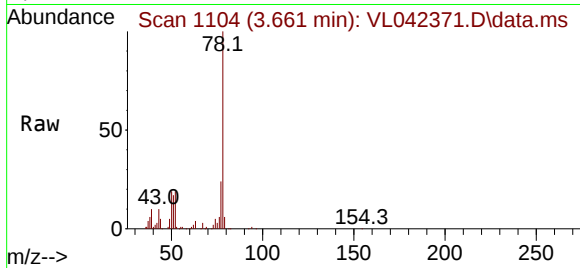




#36
Benzene
Concen: 1.060 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.006 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

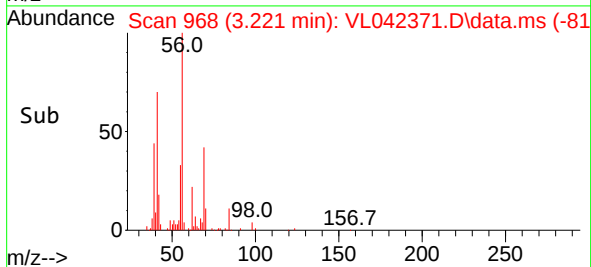
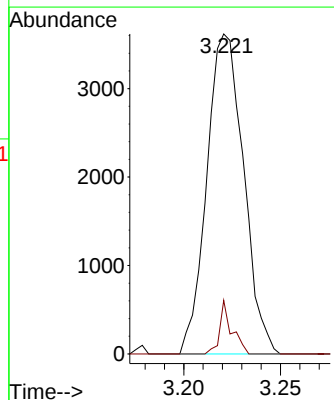
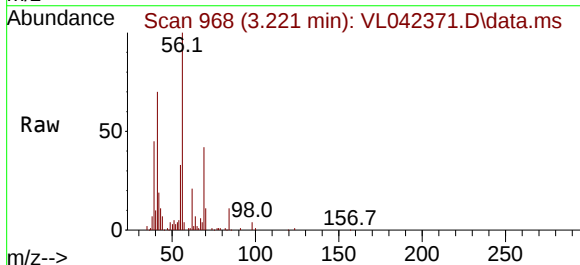
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025

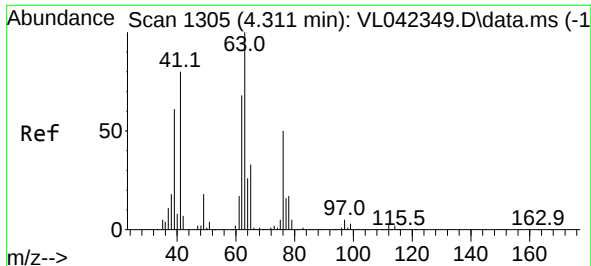
Tgt Ion	78	77	50
Resp	36905	22.8	17.0
Lower		17.4	15.5
Upper		26.0	23.3



#37
1,2-Dichloroethane
Concen: 0.229 ppbv
RT: 3.221 min Scan# 968
Delta R.T. 0.003 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

Tgt Ion	62	98
Resp	4782	5.4
Lower		5.1
Upper		7.7





#39

1,2-Dichloropropane

Concen: 6.617 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.350 min

Lab File: VL042371.D

Acq: 17 Apr 2025 22:52

Instrument :

MSVOA_L

ClientSampleId :

IA-B2-3-03312025

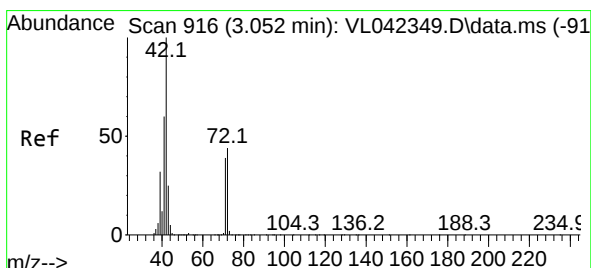
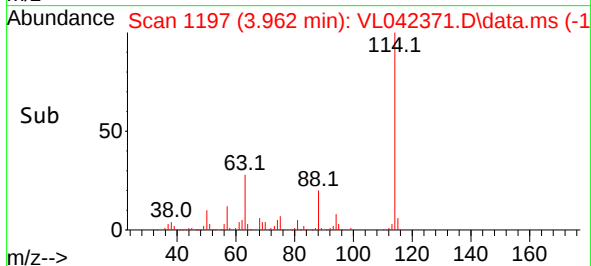
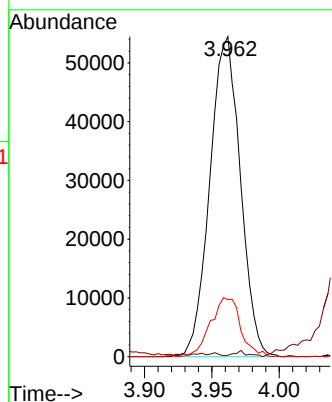
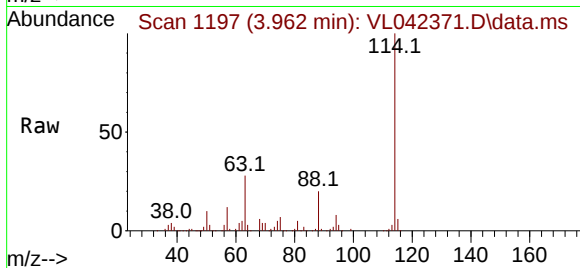
Tgt Ion: 63 Resp: 85836

Ion Ratio Lower Upper

63 100

41 0.0 64.2 96.2#

62 17.8 54.3 81.5#



#41

Tetrahydrofuran

Concen: 0.340 ppbv

RT: 3.065 min Scan# 920

Delta R.T. 0.013 min

Lab File: VL042371.D

Acq: 17 Apr 2025 22:52

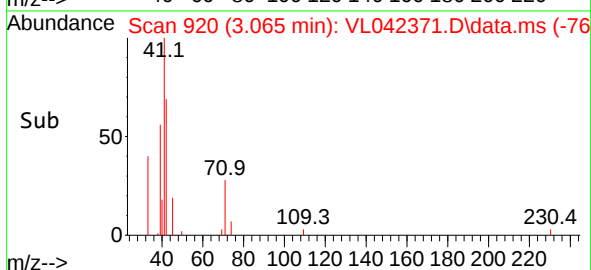
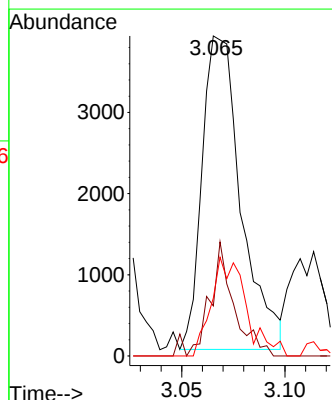
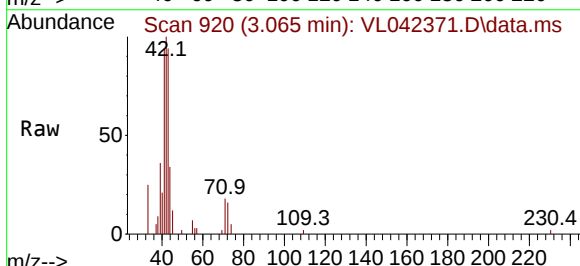
Tgt Ion: 42 Resp: 5065

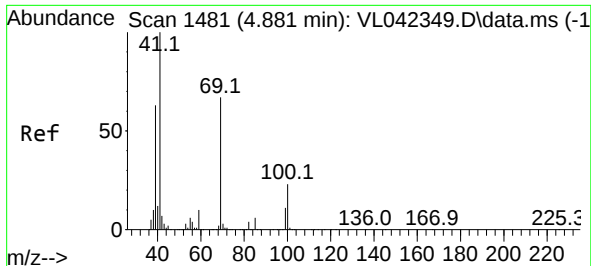
Ion Ratio Lower Upper

42 100

72 23.0 32.3 48.5#

71 29.8 31.4 47.2#

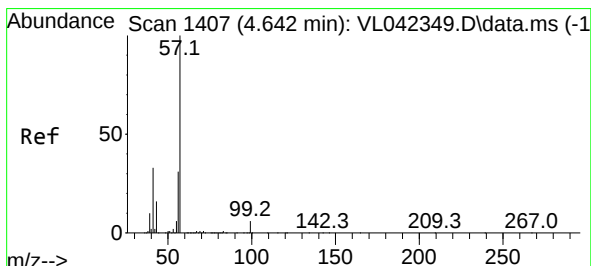
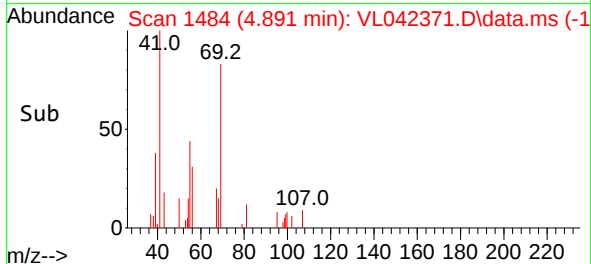
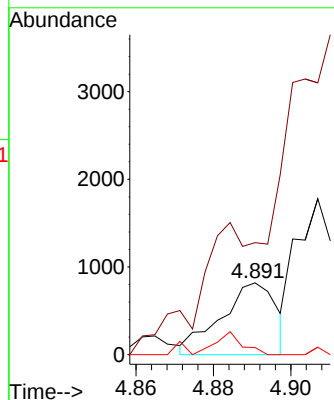
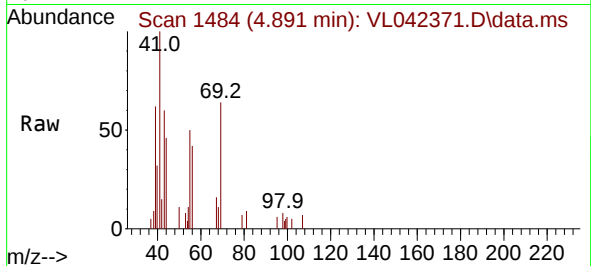




#43
Methyl Methacrylate
Concen: 0.051 ppbv
RT: 4.891 min Scan# 1484
Delta R.T. 0.010 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

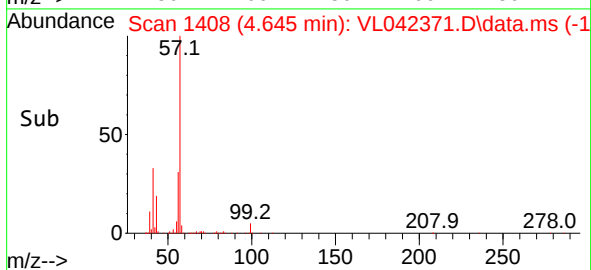
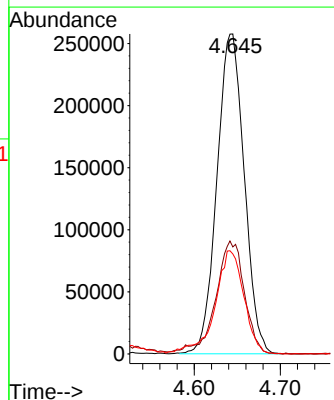
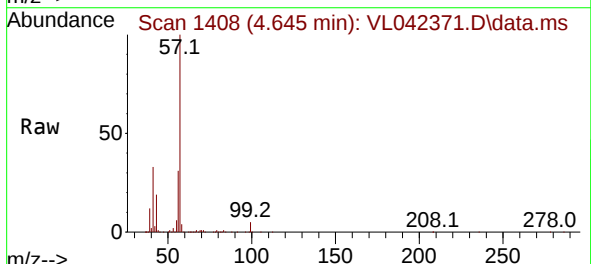
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025

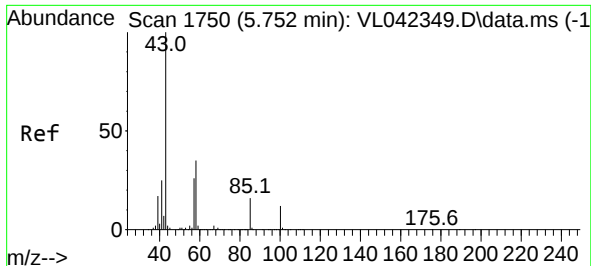
Tgt Ion: 69 Resp: 807
Ion Ratio Lower Upper
69 100
41 0.0 118.6 177.8#
100 0.0 28.2 42.2#



#44
2,2,4-Trimethylpentane
Concen: 9.437 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.003 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

Tgt Ion: 57 Resp: 567345
Ion Ratio Lower Upper
57 100
41 37.3 27.2 40.8
56 34.4 25.7 38.5





#50

4-Methyl-2-Pentanone

Concen: 0.057 ppbv

RT: 5.765 min Scan# 1

Delta R.T. 0.013 min

Lab File: VL042371.D

Acq: 17 Apr 2025 22:52

Instrument :

MSVOA_L

ClientSampleId :

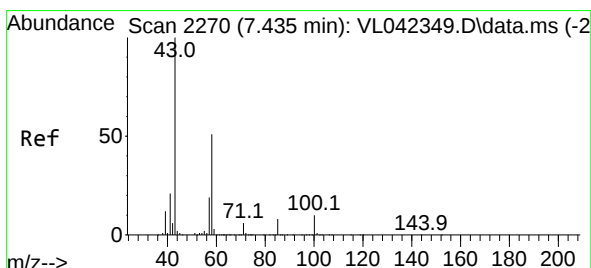
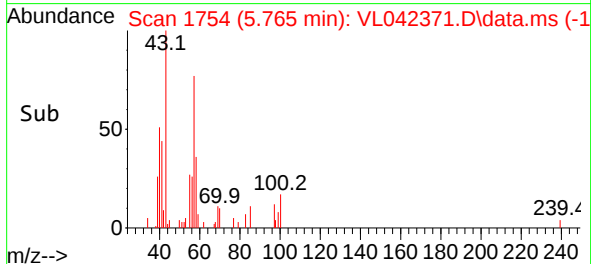
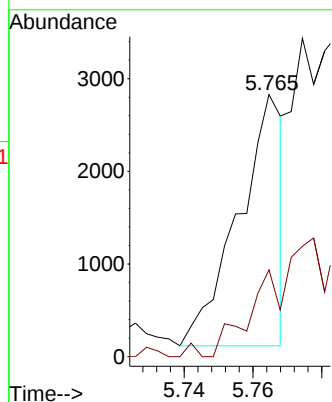
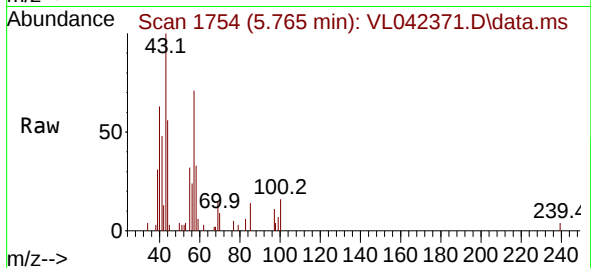
IA-B2-3-03312025

Tgt Ion: 43 Resp: 2416

Ion Ratio Lower Upper

43 100

58 0.0 28.6 43.0#



#51

2-Hexanone

Concen: 0.754 ppbv

RT: 7.422 min Scan# 2266

Delta R.T. -0.013 min

Lab File: VL042371.D

Acq: 17 Apr 2025 22:52

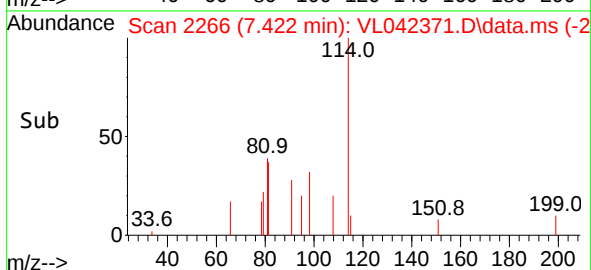
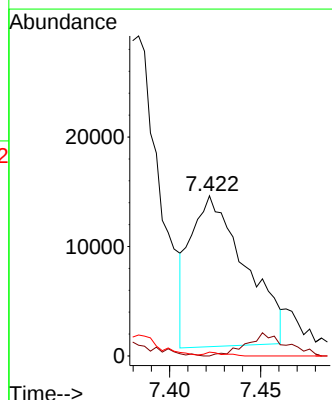
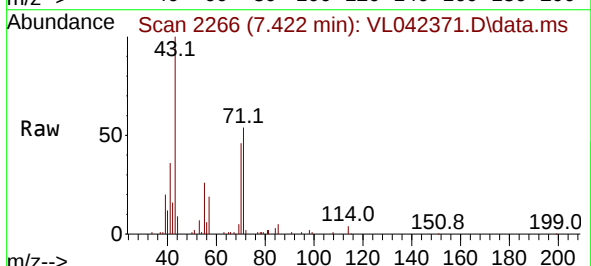
Tgt Ion: 43 Resp: 28690

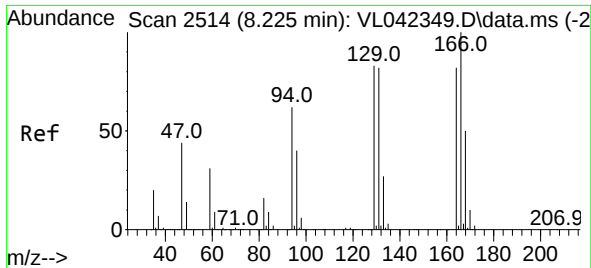
Ion Ratio Lower Upper

43 100

58 0.0 40.2 60.4#

98 0.0 0.1 0.1#

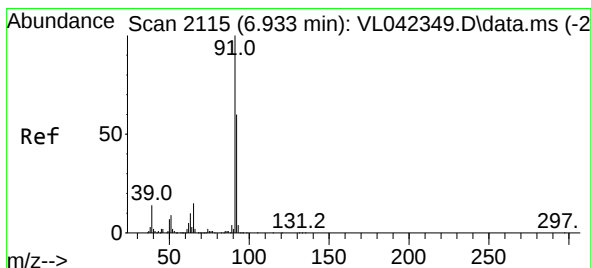
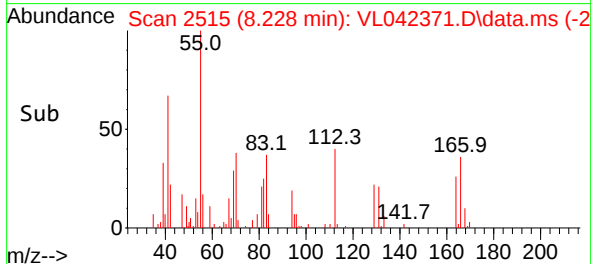
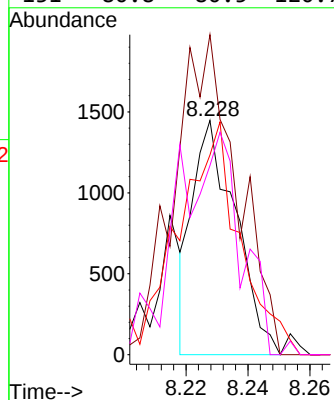
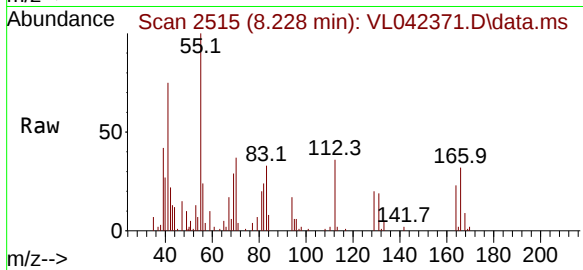




#52
Tetrachloroethene
Concen: 0.103 ppbv
RT: 8.228 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

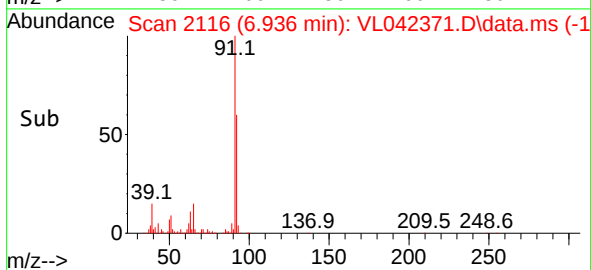
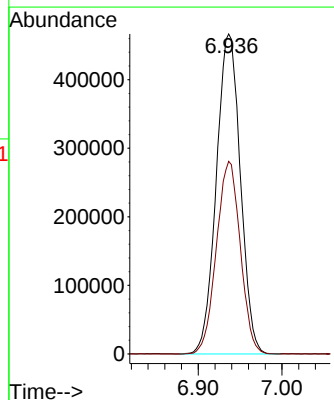
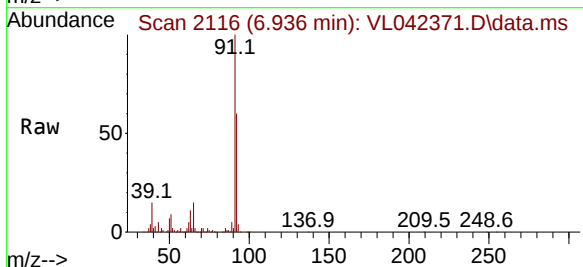
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025

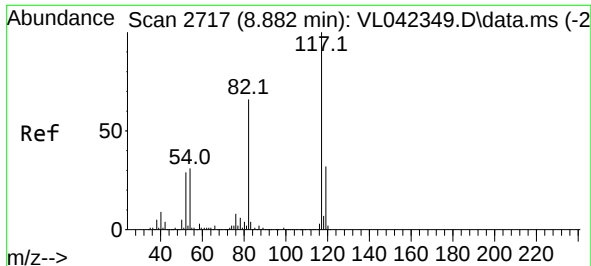
Tgt Ion:	164	Resp:	1390
Ion	Ratio	Lower	Upper
164	100		
166	136.6	98.2	147.2
129	71.0	81.8	122.8#
131	80.8	80.5	120.7



#53
Toluene
Concen: 22.290 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. 0.003 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

Tgt Ion:	91	Resp:	931135
Ion	Ratio	Lower	Upper
91	100		
92	59.7	48.2	72.4

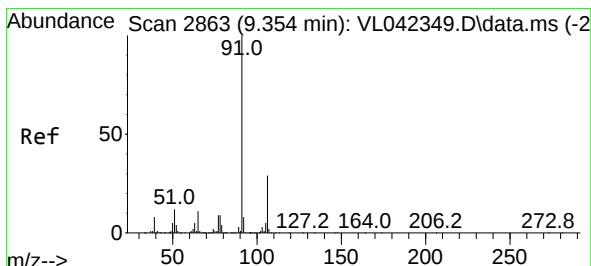
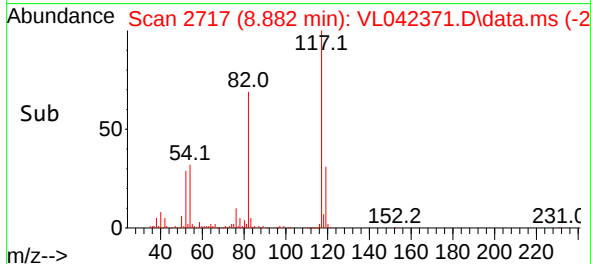
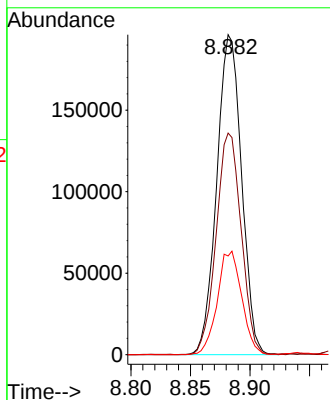
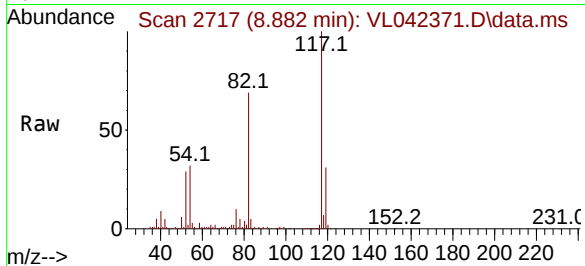




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

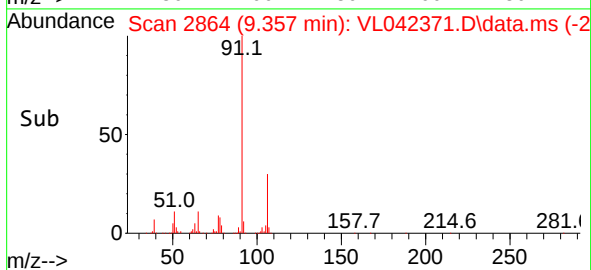
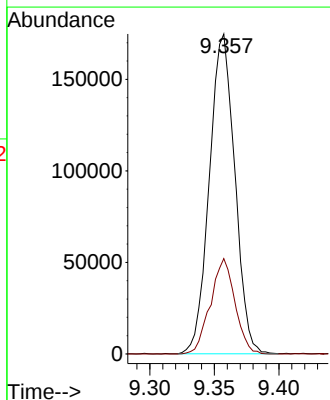
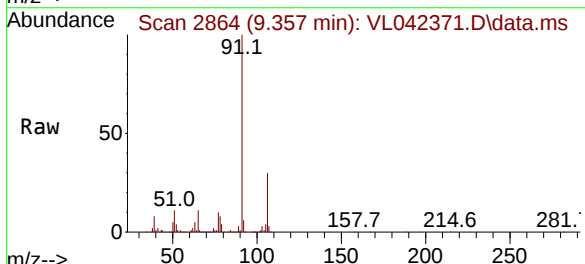
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025

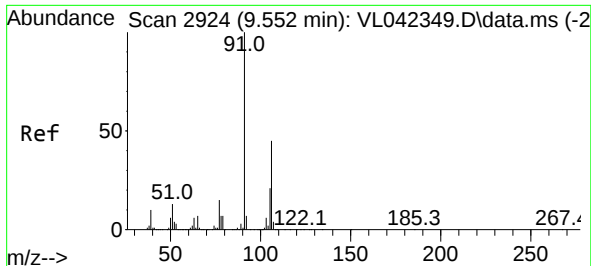
Tgt Ion:117 Resp: 284478
Ion Ratio Lower Upper
117 100
82 69.5 57.8 86.6
119 31.9 25.2 37.8



#58
Ethyl Benzene
Concen: 4.253 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. 0.003 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

Tgt Ion: 91 Resp: 239708
Ion Ratio Lower Upper
91 100
106 29.8 23.0 34.4





#59

m/p-Xylene

Concen: 14.937 ppbv

RT: 9.532 min Scan# 2918

Delta R.T. -0.019 min

Lab File: VL042371.D

Acq: 17 Apr 2025 22:52

Instrument :

MSVOA_L

ClientSampleId :

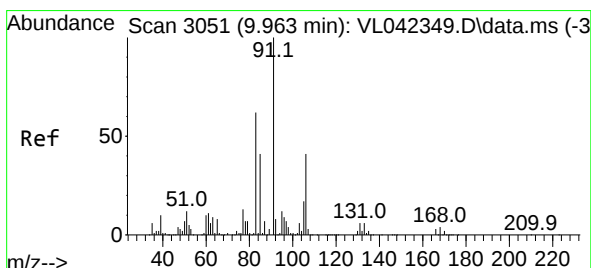
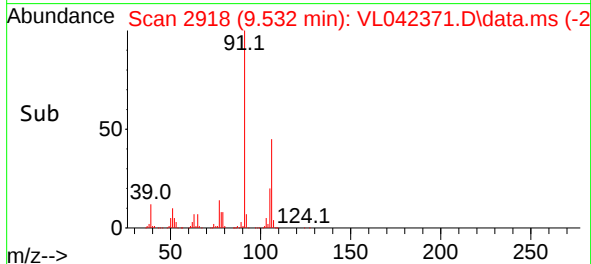
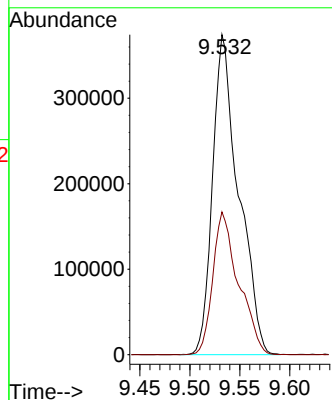
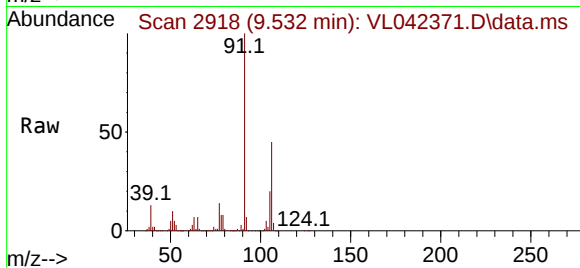
LA-B2-3-03312025

Tgt Ion: 91 Resp: 678219

Ion Ratio Lower Upper

91 100

106 44.2 35.4 53.2



#60

o-Xylene

Concen: 5.817 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VL042371.D

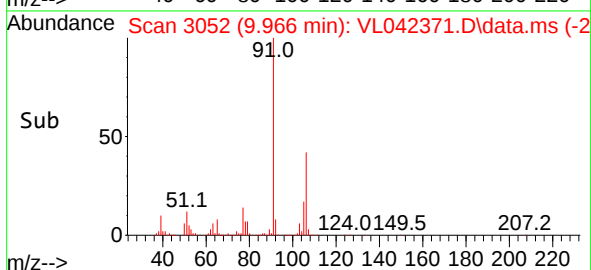
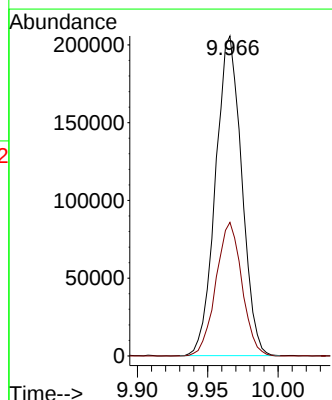
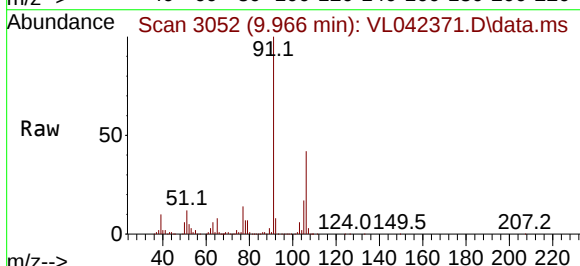
Acq: 17 Apr 2025 22:52

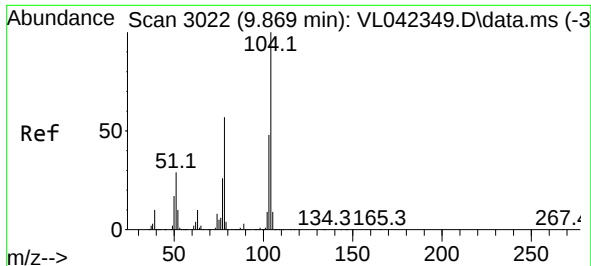
Tgt Ion: 91 Resp: 265965

Ion Ratio Lower Upper

91 100

106 41.5 21.1 63.4

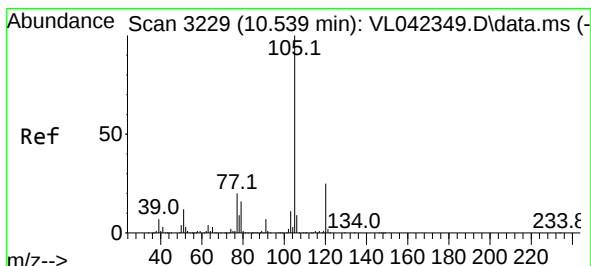
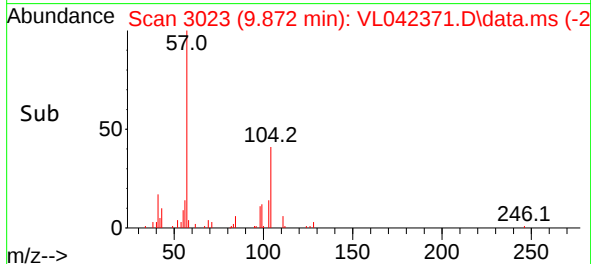
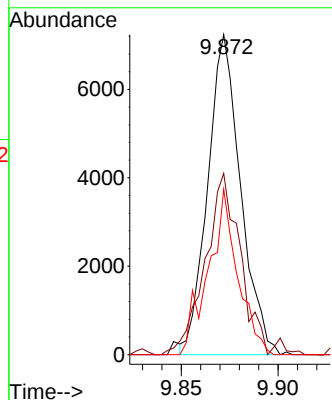
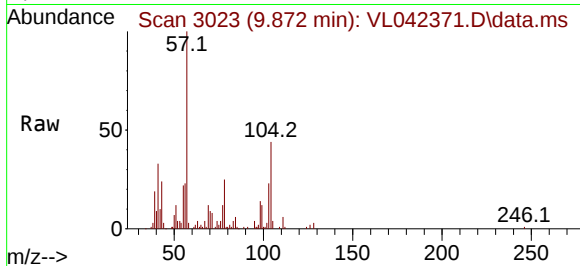




#61
Styrene
Concen: 0.392 ppbv
RT: 9.872 min Scan# 3023
Delta R.T. 0.003 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

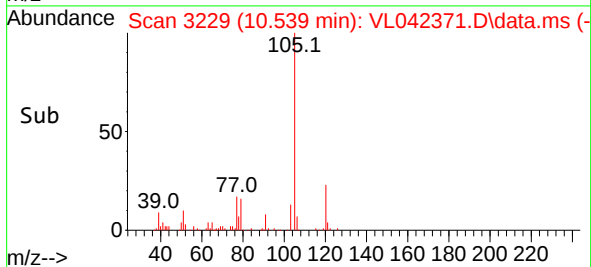
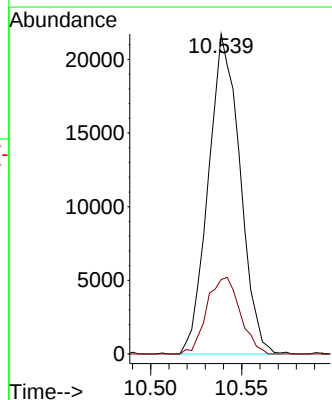
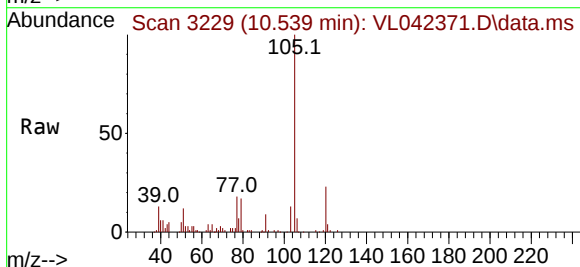
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025

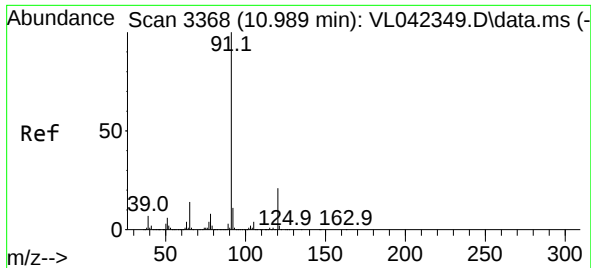
Tgt Ion:104 Resp: 8564
Ion Ratio Lower Upper
104 100
78 62.3 44.6 66.8
103 46.3 37.4 56.0



#62
Isopropylbenzene
Concen: 0.391 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.000 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

Tgt Ion:105 Resp: 26216
Ion Ratio Lower Upper
105 100
120 25.1 19.8 29.8

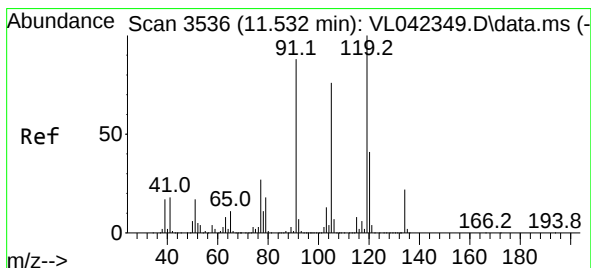
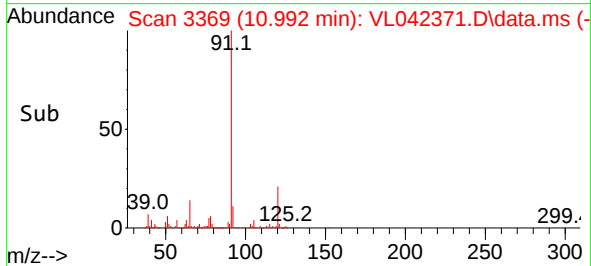
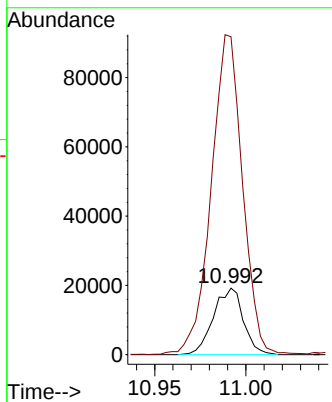
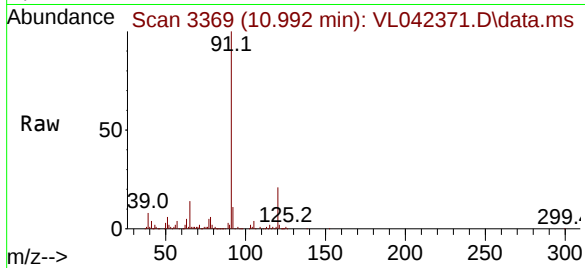




#64
n-propylbenzene
Concen: 1.296 ppbv
RT: 10.992 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

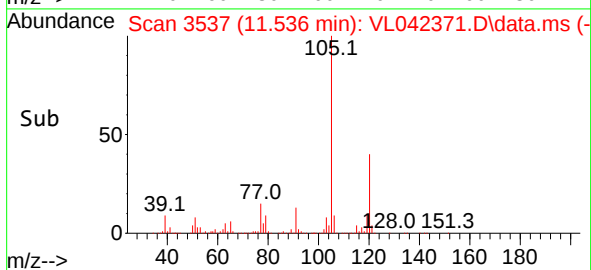
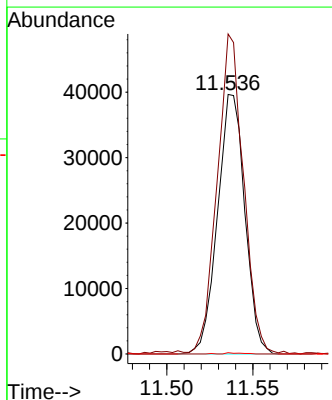
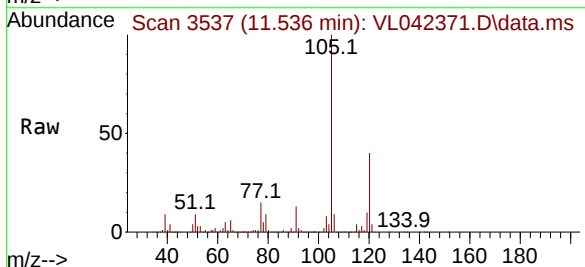
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025

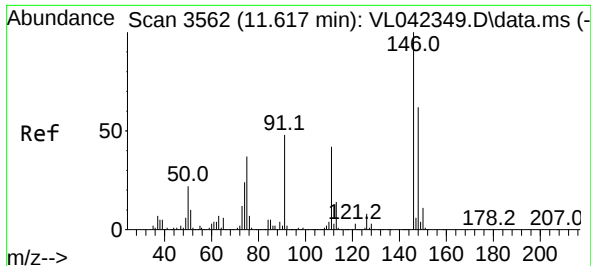
Tgt Ion:120 Resp: 21875
Ion Ratio Lower Upper
120 100
91 503.1 392.4 588.6



#65
tert-Butylbenzene
Concen: 0.708 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.003 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

Tgt Ion:119 Resp: 43701
Ion Ratio Lower Upper
119 100
91 119.8 74.6 111.8#
134 0.0 18.8 28.2#

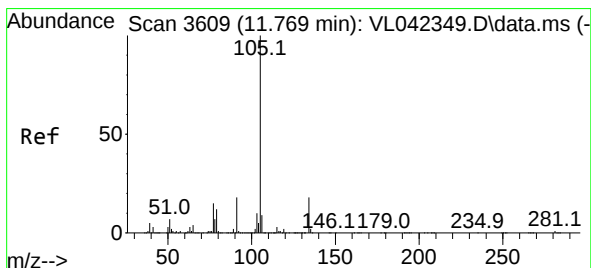
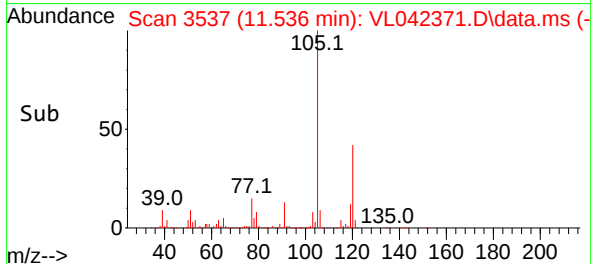
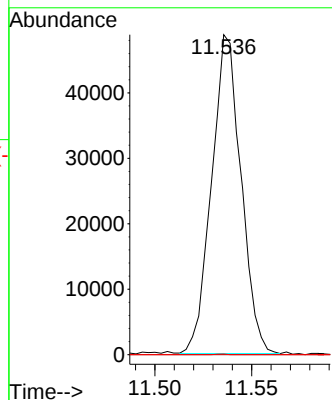
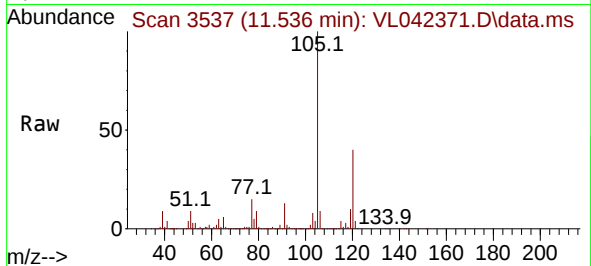




#66
Benzyl Chloride
Concen: 7.582 ppbv
RT: 11.536 min Scan# 31
Delta R.T. -0.081 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

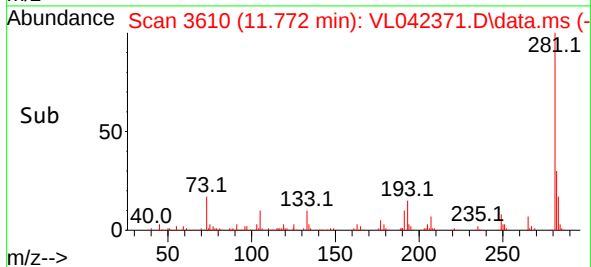
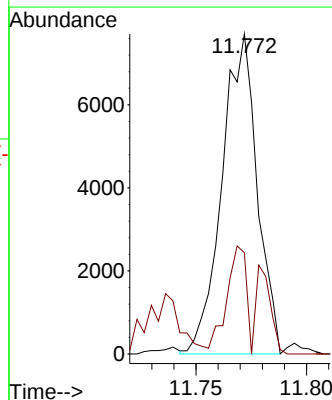
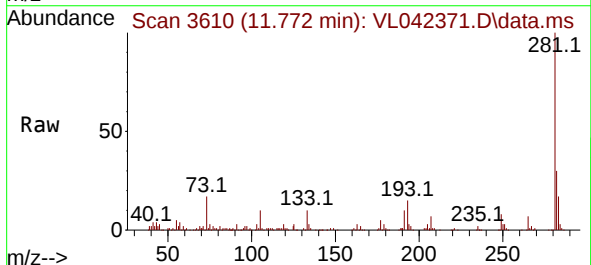
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025

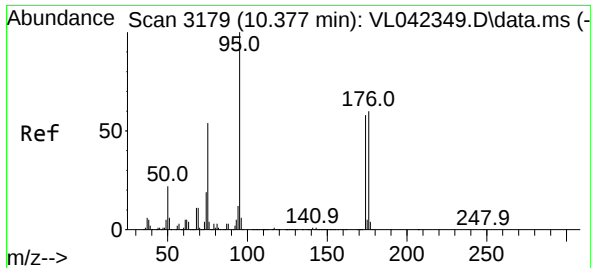
Tgt Ion: 91 Resp: 51402
Ion Ratio Lower Upper
91 100
126 0.0 11.8 17.6#
128 0.1 4.5 6.7#



#67
sec-Butylbenzene
Concen: 0.099 ppbv
RT: 11.772 min Scan# 3610
Delta R.T. 0.003 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

Tgt Ion: 105 Resp: 8506
Ion Ratio Lower Upper
105 100
134 30.1 14.6 21.8#

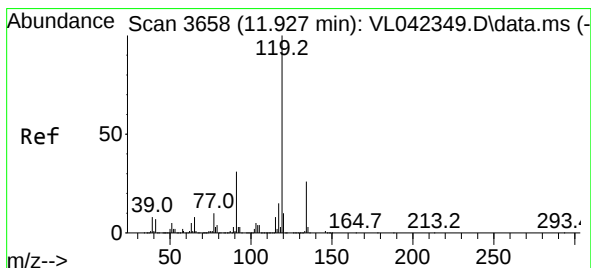
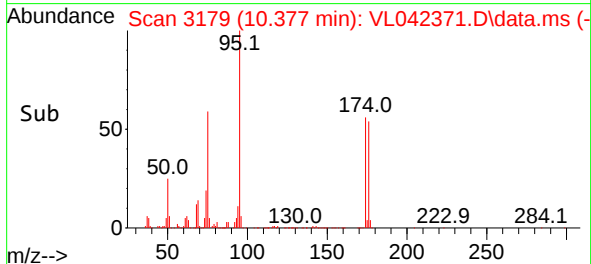
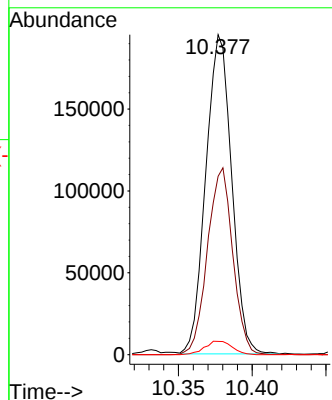
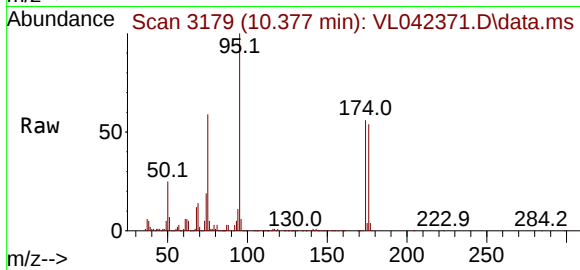




#68
1-Bromo-4-Fluorobenzene
Concen: 10.179 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

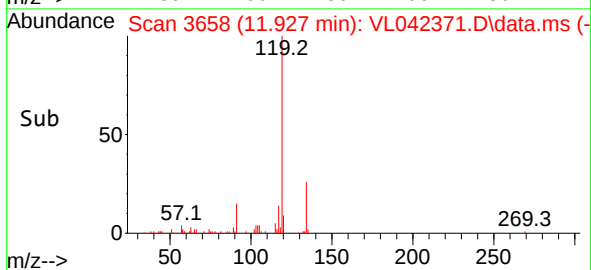
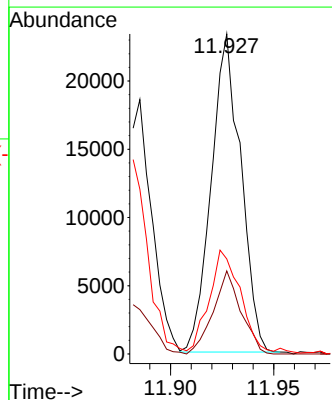
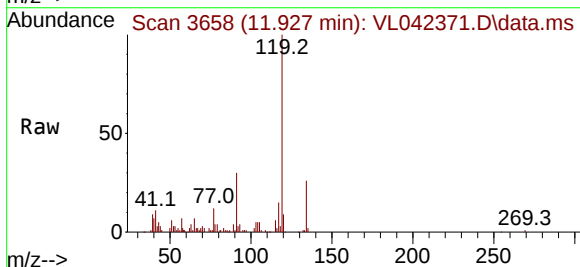
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025

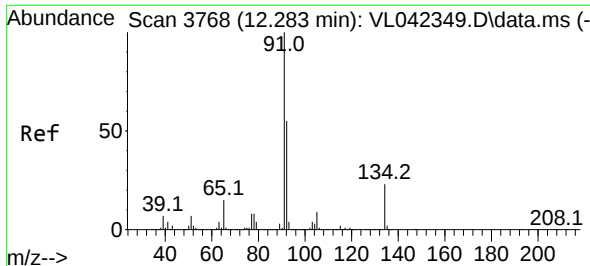
Tgt Ion: 95 Resp: 237949
Ion Ratio Lower Upper
95 100
174 57.3 48.5 72.7
175 4.5 3.7 5.5



#69
p-Isopropyltoluene
Concen: 0.311 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. 0.000 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

Tgt Ion: 119 Resp: 23201
Ion Ratio Lower Upper
119 100
134 24.5 20.0 30.0
91 36.2 24.4 36.6





#70

n-Butylbenzene

Concen: 0.309 ppbv

RT: 12.283 min Scan# 3768

Delta R.T. -0.000 min

Lab File: VL042371.D

Acq: 17 Apr 2025 22:52

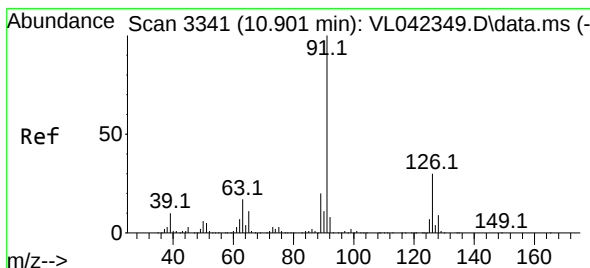
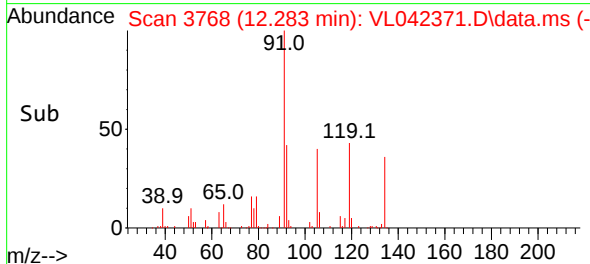
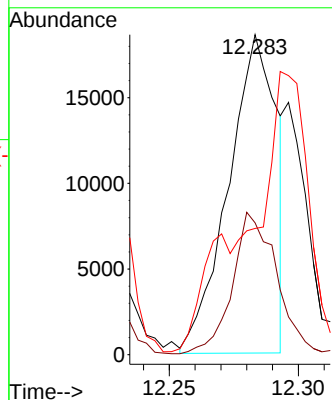
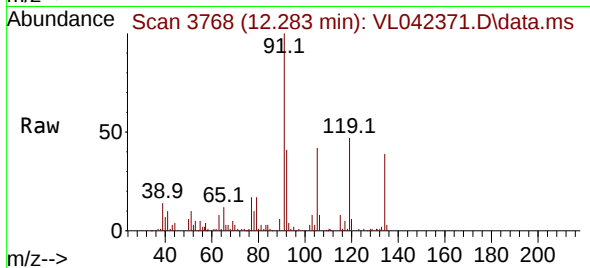
Instrument :

MSVOA_L

ClientSampleId :

LA-B2-3-03312025

Tgt Ion:	91	Resp:	24014
Ion Ratio	Lower	Upper	
91	100		
92	42.9	44.2	66.4#
134	0.0	18.2	27.4#



#71

2-Chlorotoluene

Concen: 0.843 ppbv

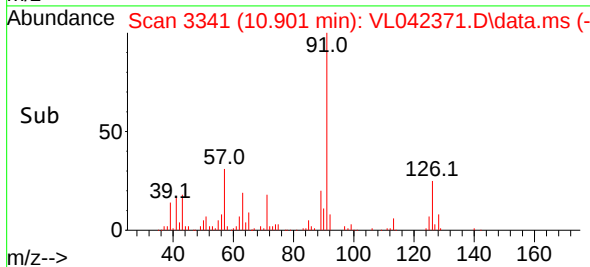
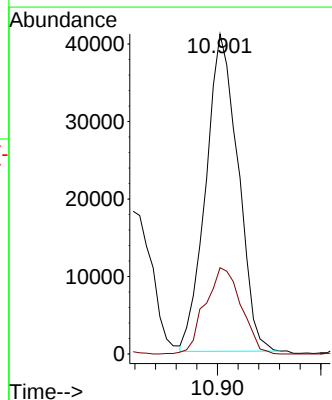
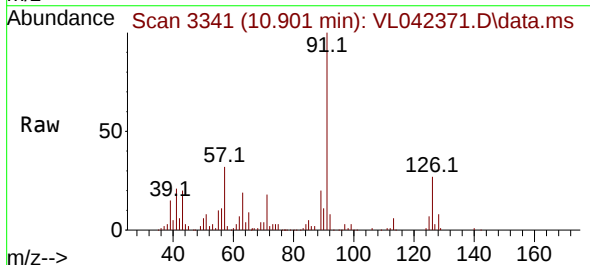
RT: 10.901 min Scan# 3341

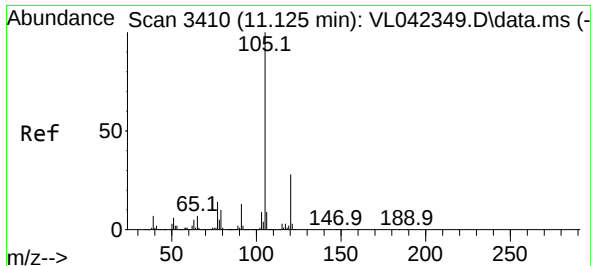
Delta R.T. 0.000 min

Lab File: VL042371.D

Acq: 17 Apr 2025 22:52

Tgt Ion:	91	Resp:	44364
Ion Ratio	Lower	Upper	
91	100		
126	30.4	11.4	45.4

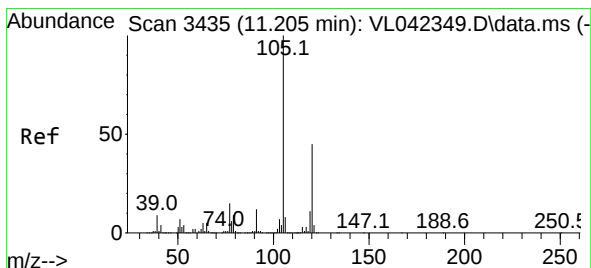
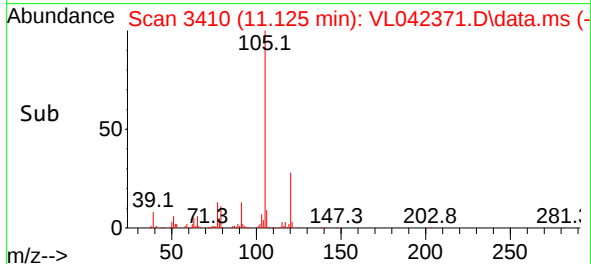
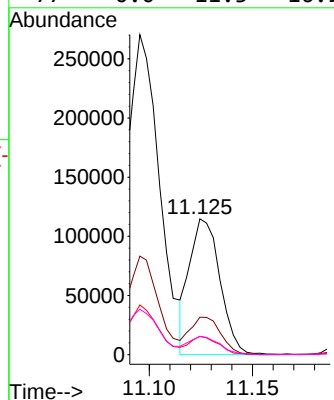
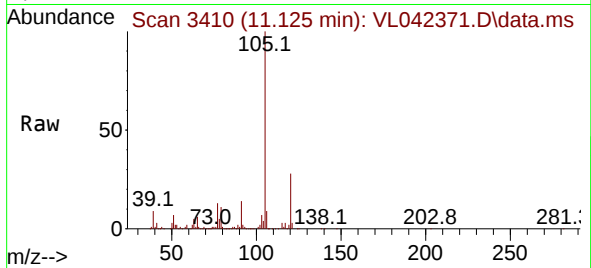




#72
4-Ethyltoluene
Concen: 2.108 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.000 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

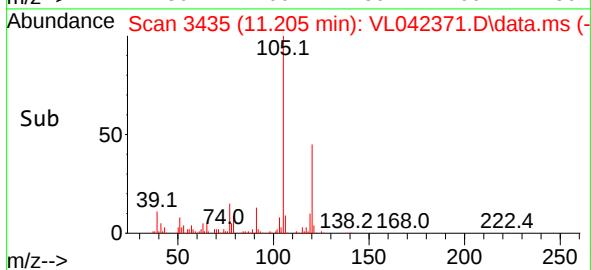
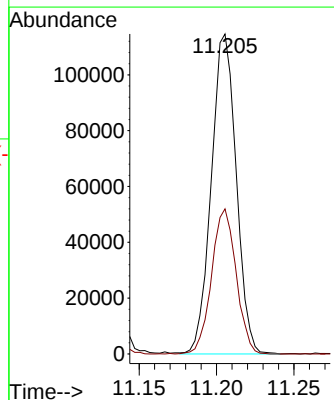
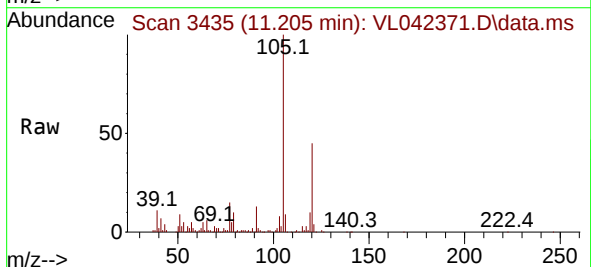
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025

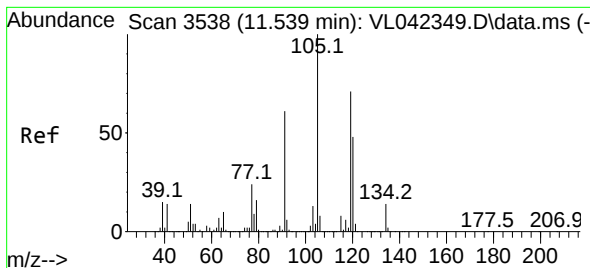
Tgt Ion:105 Resp: 117824
Ion Ratio Lower Upper
105 100
120 0.0 23.2 34.8#
91 0.0 10.4 15.6#
77 0.0 11.3 16.9#



#73
1,3,5-Trimethylbenzene
Concen: 2.599 ppbv
RT: 11.205 min Scan# 3435
Delta R.T. -0.000 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

Tgt Ion:105 Resp: 128254
Ion Ratio Lower Upper
105 100
120 45.4 35.6 53.4





#74

1,2,4-Trimethylbenzene

Concen: 7.213 ppbv

RT: 11.536 min Scan# 3538

Delta R.T. -0.003 min

Lab File: VL042371.D

Acq: 17 Apr 2025 22:52

Instrument :

MSVOA_1

ClientSampleId :

IA-B2-3-03312025

Tgt Ion:105 Resp: 415758

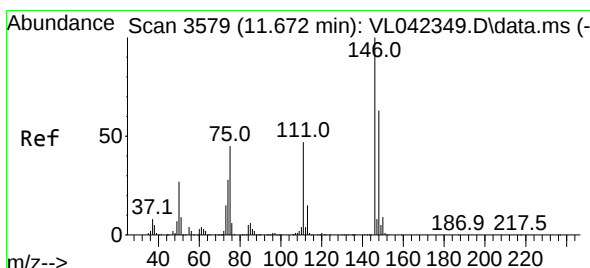
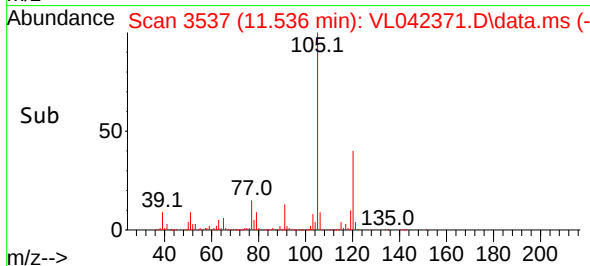
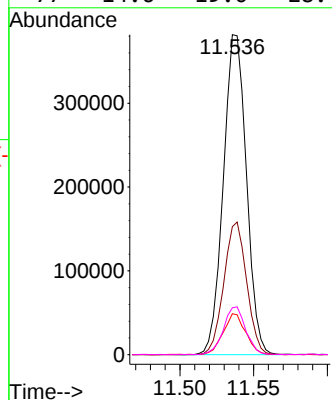
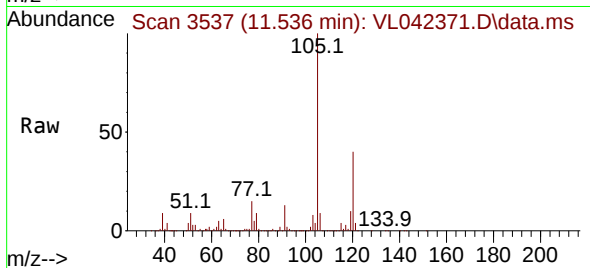
Ion Ratio Lower Upper

105 100

120 40.0 38.1 57.1

91 12.7 48.8 73.2#

77 14.6 19.0 28.4#



#76

1,4-Dichlorobenzene

Concen: 0.204 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.003 min

Lab File: VL042371.D

Acq: 17 Apr 2025 22:52

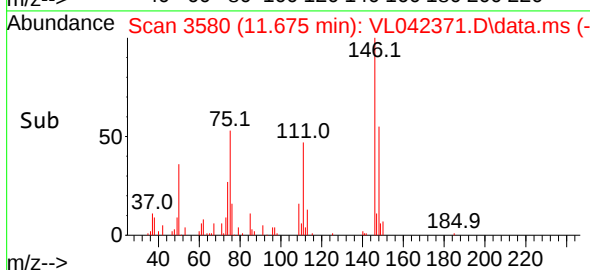
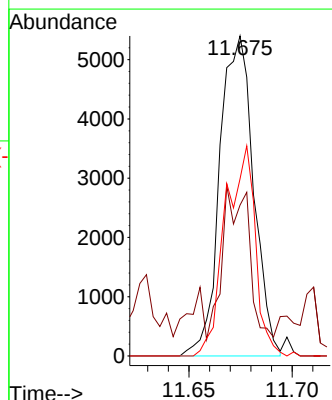
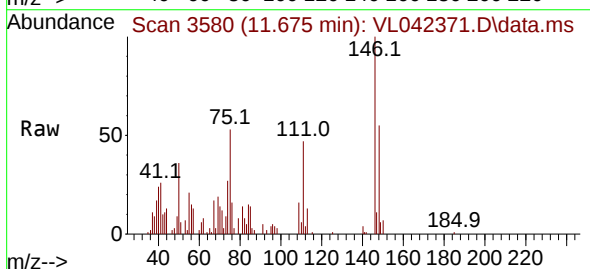
Tgt Ion:146 Resp: 6136

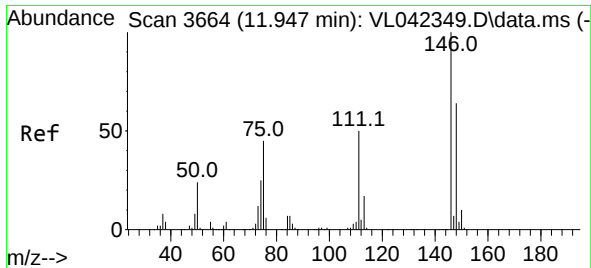
Ion Ratio Lower Upper

146 100

111 71.0 24.2 72.6

148 58.8 32.1 96.5

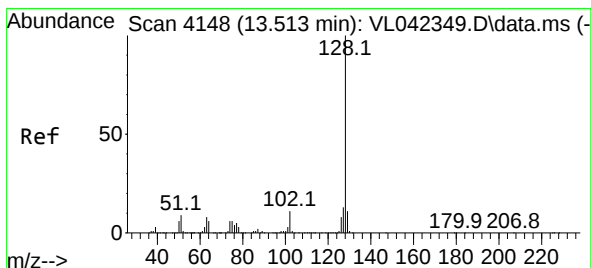
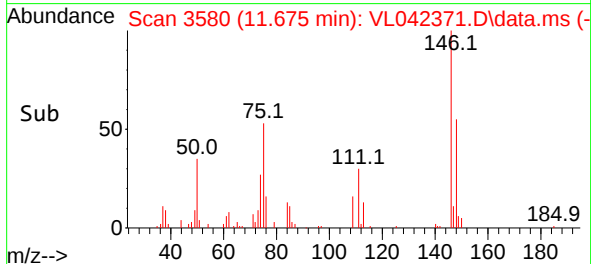
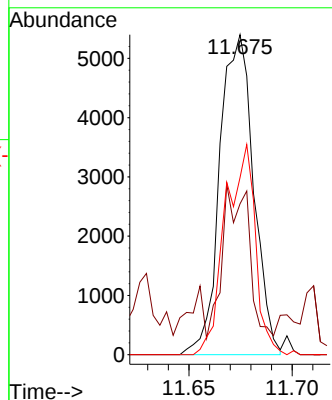
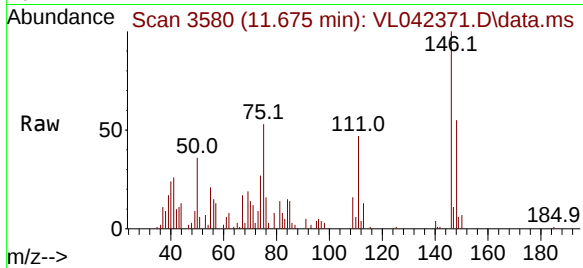




#77
1,2-Dichlorobenzene
Concen: 0.211 ppbv
RT: 11.675 min Scan# 311
Delta R.T. -0.272 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

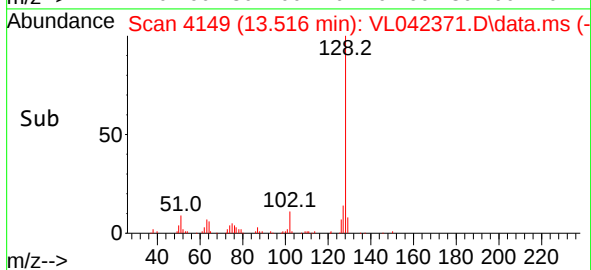
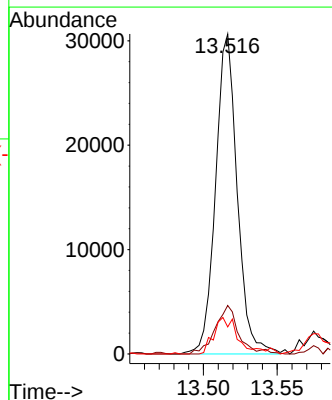
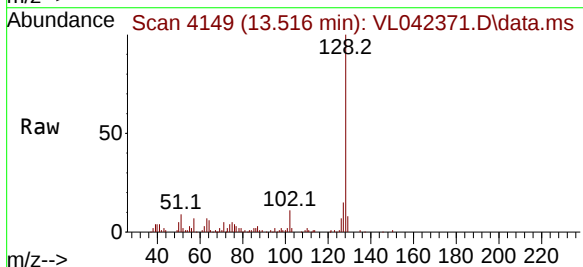
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025

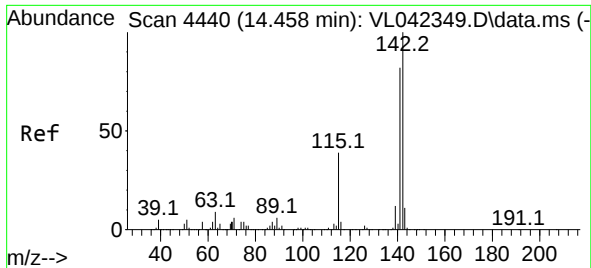
Tgt Ion:146 Resp: 6136
Ion Ratio Lower Upper
146 100
111 47.6 25.3 75.9
148 58.8 31.5 94.5



#79
Naphthalene
Concen: 0.454 ppbv
RT: 13.516 min Scan# 4149
Delta R.T. 0.003 min
Lab File: VL042371.D
Acq: 17 Apr 2025 22:52

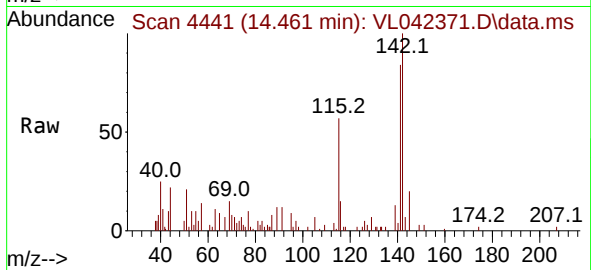
Tgt Ion:128 Resp: 31283
Ion Ratio Lower Upper
128 100
127 15.2 10.6 15.8
129 8.5 8.6 12.8#





#80
 Naphthalene, 2-methyl-
 Concen: 0.128 ppbv
 RT: 14.461 min Scan# 44
 Delta R.T. 0.003 min
 Lab File: VL042371.D
 Acq: 17 Apr 2025 22:52

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-3-03312025



Tgt Ion:142	Resp:	5013
Ion	Ratio	Lower Upper
142	100	
141	80.6	66.8 100.2
115	60.7	33.4 50.2#

