

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
 Data File : VL042249.D
 Acq On : 08 Apr 2025 00:46
 Operator : SY/MD
 Sample : Q1725-07
 Misc : 400mL/MSVOA_L
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B10-1-03312025-SPLIT

Quant Time: Apr 08 01:39:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.807	49	197758	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.988	114	506596	10.000	ppbv	0.04
55) Chlorobenzene-d5	8.908	117	465539	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.400	95	381596	9.981	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.505	85	10548	0.361	ppbv	90
3) Chlorodifluoromethane	1.473	51	18165	0.609	ppbv #	70
4) Chloromethane	1.544	50	1562	0.131	ppbv #	79
6) Bromomethane	1.677	94	167	0.031	ppbv #	4
9) Propene	1.632	41	10945	0.801	ppbv	93
10) Heptane	5.024	43	22305	0.613	ppbv #	84
11) Trichlorofluoromethane	1.891	101	6666	0.235	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.156	101	2000	0.086	ppbv	91
13) Ethanol	1.732	45	236496	182.981	ppbv	83
15) Acetone	1.845	43	779996	28.202	ppbv	96
16) 1,3-Butadiene	1.612	39	38194	2.828	ppbv #	21
17) tert-Butyl alcohol	1.897	59	9515	0.276	ppbv	99
19) Isopropyl Alcohol	1.900	45	271152	17.376	ppbv #	52
20) Methylene Chloride	2.075	84	11817	1.147	ppbv	93
21) Allyl Chloride	2.056	41	10108	0.518	ppbv #	63
23) Vinyl Acetate	2.493	43	30371	2.537	ppbv #	40
24) 1,1-Dichloroethane	2.425	63	995	0.043	ppbv #	94
25) Ethyl Acetate	2.845	43	29553	0.412	ppbv #	94
26) Hexane	2.849	57	27836	1.004	ppbv #	39
27) Carbon Disulfide	2.166	76	1171	0.039	ppbv #	1
28) Methyl tert-Butyl Ether	2.460	73	573	0.033	ppbv #	49
29) Chloroform	2.871	83	95587	2.356	ppbv	94
30) Cyclohexane	3.878	84	1413	0.059	ppbv #	1
34) 2-Butanone	2.577	43	55098	1.500	ppbv	100
35) Carbon Tetrachloride	3.790	117	3266	0.083	ppbv #	81
36) Benzene	3.680	78	24686	0.492	ppbv #	90
38) Trichloroethene	4.583	130	1996	0.095	ppbv #	85
39) 1,2-Dichloropropane	3.991	63	130789	7.151	ppbv #	22
41) Tetrahydrofuran	3.088	42	1169	0.055	ppbv #	59
44) 2,2,4-Trimethylpentane	4.677	57	23872	0.281	ppbv #	47
52) Tetrachloroethene	8.251	164	7399	0.371	ppbv	93
53) Toluene	6.972	91	258006	4.334	ppbv	100
58) Ethyl Benzene	9.383	91	72131	0.872	ppbv	96
59) m/p-Xylene	9.558	91	284370	4.307	ppbv	100
60) o-Xylene	9.992	91	118466	1.790	ppbv	97
61) Styrene	9.898	104	1201	0.037	ppbv #	17
62) Isopropylbenzene	10.558	105	4630	0.047	ppbv #	66
64) n-propylbenzene	11.011	120	5944	0.233	ppbv	96
65) tert-Butylbenzene	11.901	119	5740	0.063	ppbv	88
70) n-Butylbenzene	12.306	91	4533	0.040	ppbv #	1
71) 2-Chlorotoluene	11.008	91	26595	0.346	ppbv #	46
72) 4-Ethyltoluene	11.147	105	35916	0.436	ppbv #	55
73) 1,3,5-Trimethylbenzene	11.225	105	31326	0.435	ppbv	100

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Instrument :
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SSSG-B10-1-03312025-SPLIT

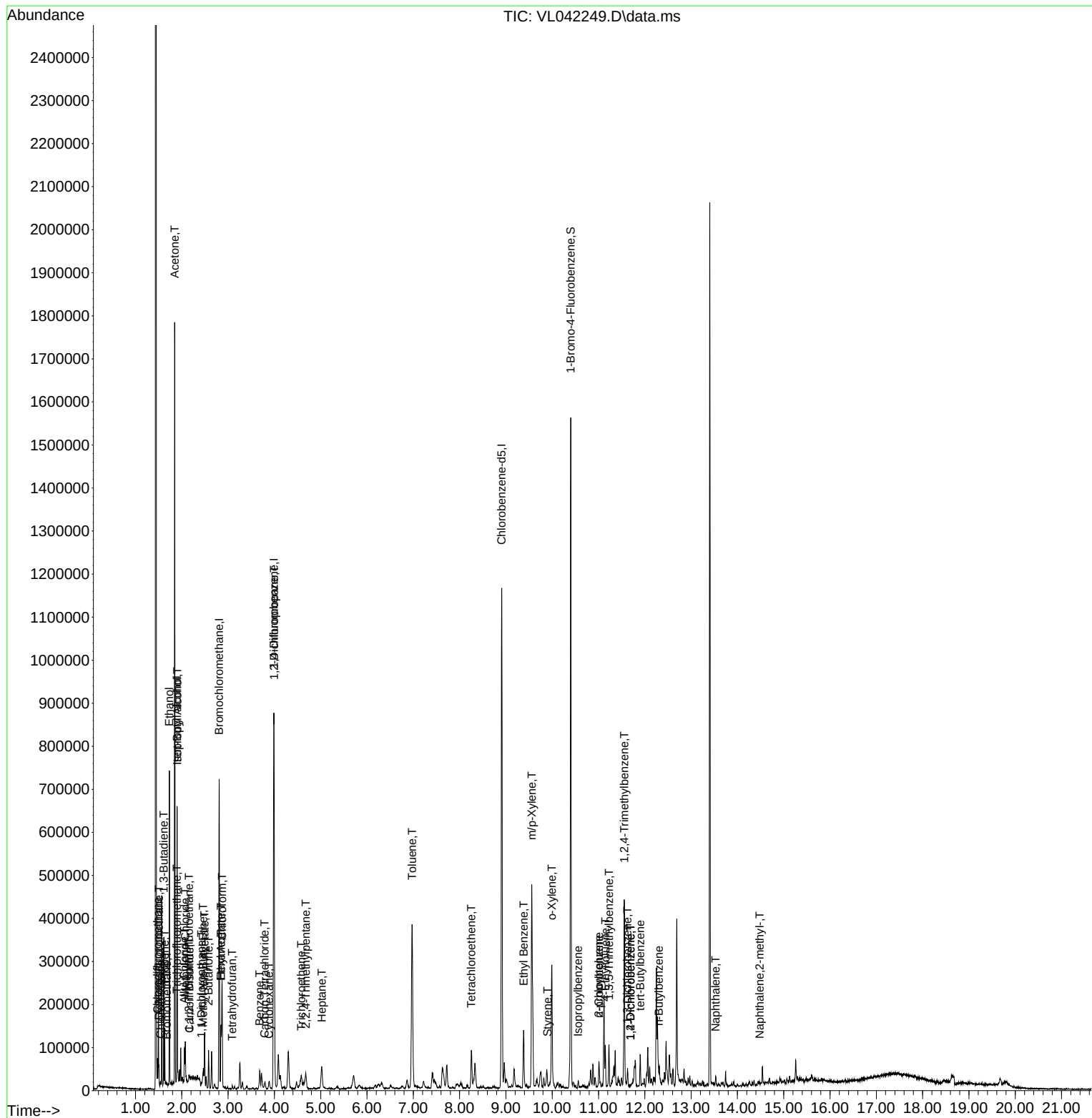
Quant Time: Apr 08 01:39:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

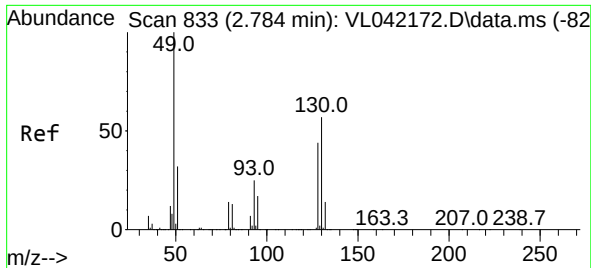
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 1,2,4-Trimethylbenzene	11.558	105	144819	1.746	ppbv #	65
75) 1,3-Dichlorobenzene	11.626	146	7305	0.161	ppbv	93
76) 1,4-Dichlorobenzene	11.688	146	1439	0.032	ppbv	93
77) 1,2-Dichlorobenzene	11.688	146	1439	0.032	ppbv	98
79) Naphthalene	13.530	128	9741	0.107	ppbv #	96
80) Naphthalene,2-methyl-	14.481	142	2064	0.046	ppbv #	82

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

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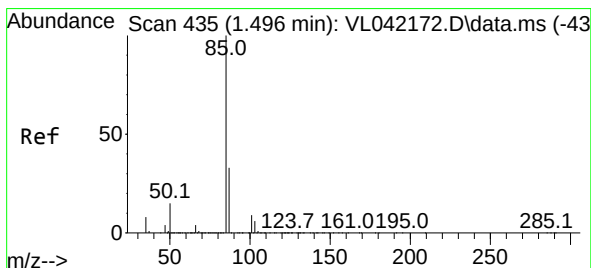
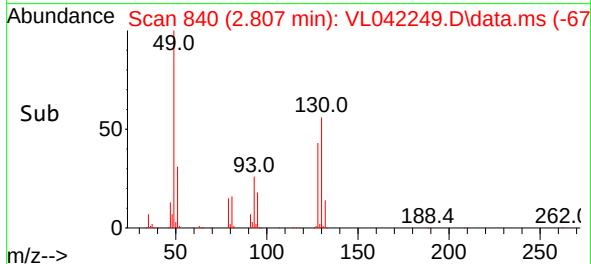
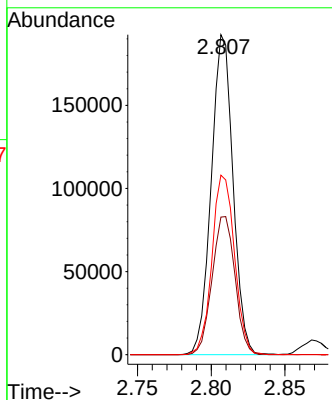
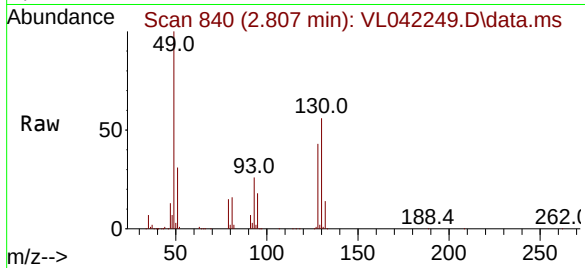




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.807 min Scan# 84
Delta R.T. 0.023 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

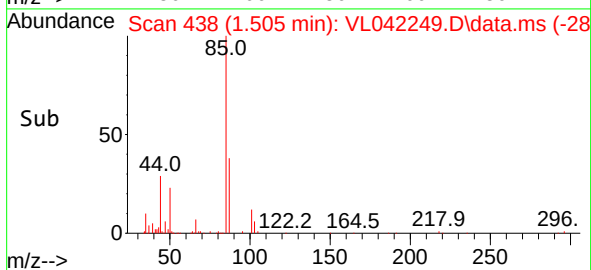
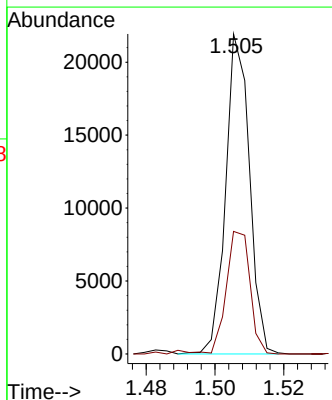
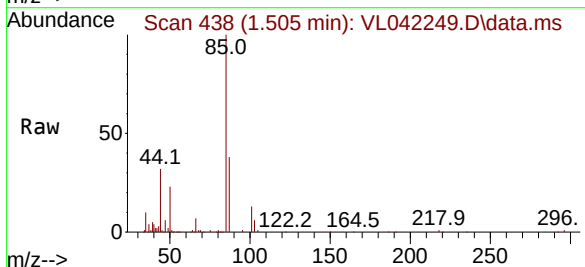
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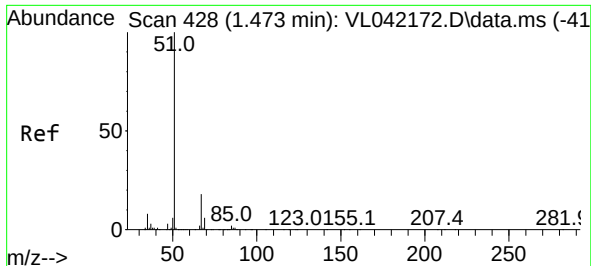
Tgt Ion: 49 Resp: 197758
Ion Ratio Lower Upper
49 100
128 45.4 22.9 68.5
130 58.1 28.8 86.4



#2
Dichlorodifluoromethane
Concen: 0.361 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 85 Resp: 10548
Ion Ratio Lower Upper
85 100
87 38.3 26.1 39.1

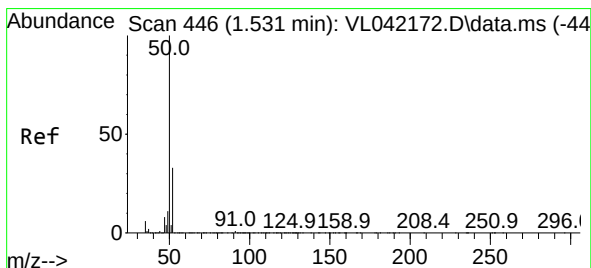
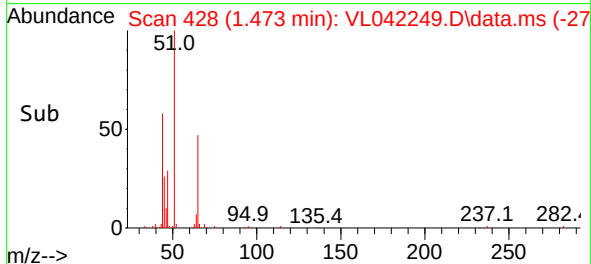
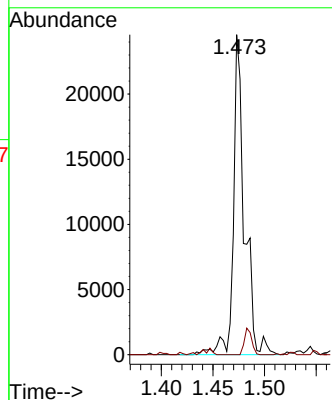
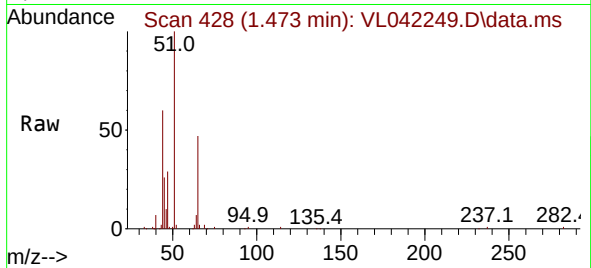




#3
Chlorodifluoromethane
Concen: 0.609 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

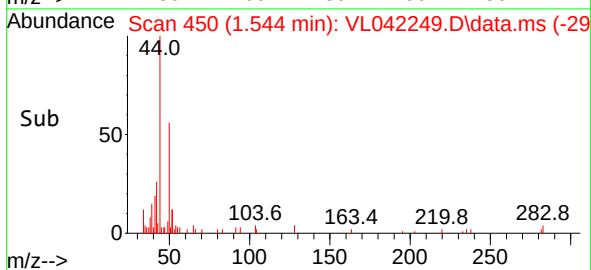
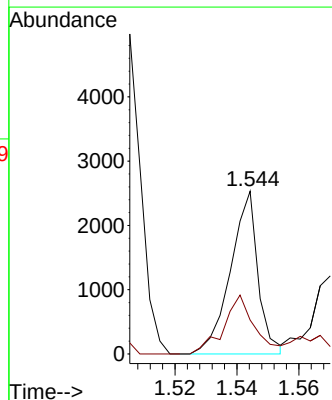
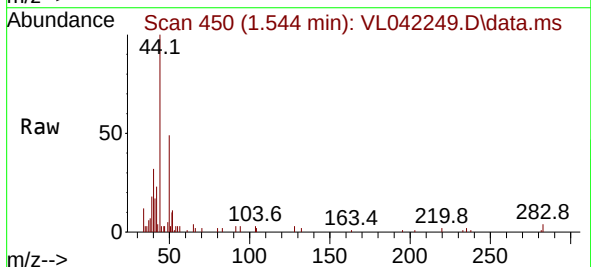
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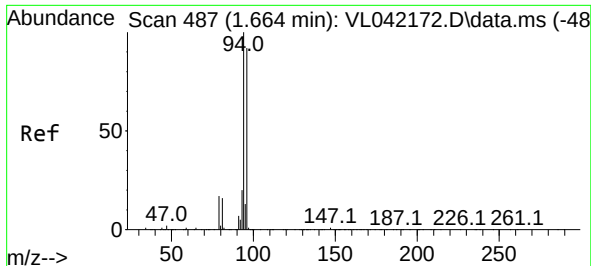
Tgt Ion: 51 Resp: 18165
Ion Ratio Lower Upper
51 100
67 5.5 15.0 22.6#



#4
Chloromethane
Concen: 0.131 ppbv
RT: 1.544 min Scan# 450
Delta R.T. 0.013 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 50 Resp: 1562
Ion Ratio Lower Upper
50 100
52 20.8 26.1 39.1#

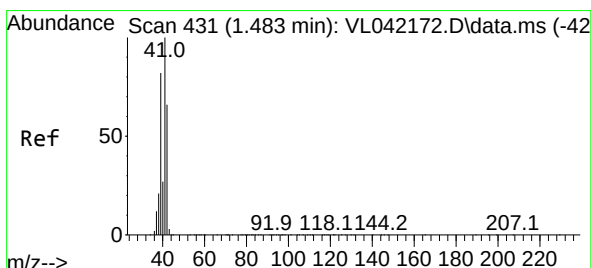
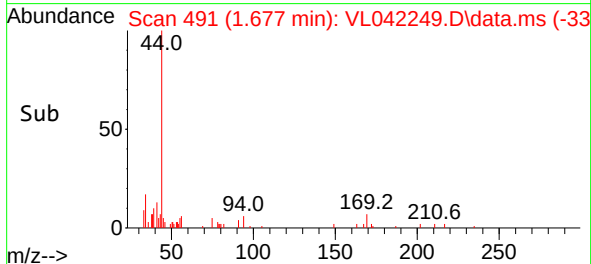
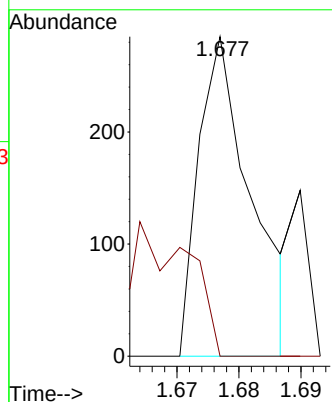
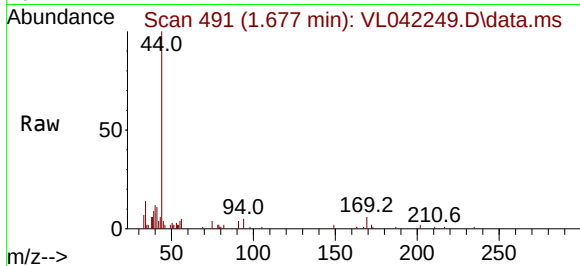




#6
Bromomethane
Concen: 0.031 ppbv
RT: 1.677 min Scan# 491
Delta R.T. 0.013 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

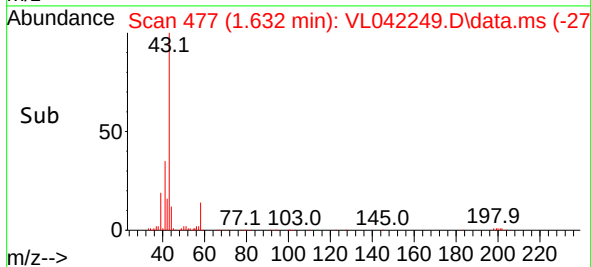
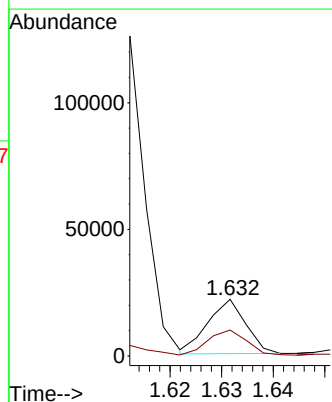
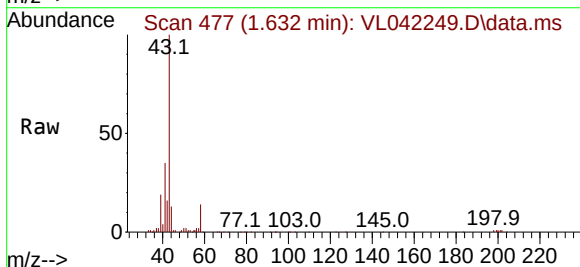
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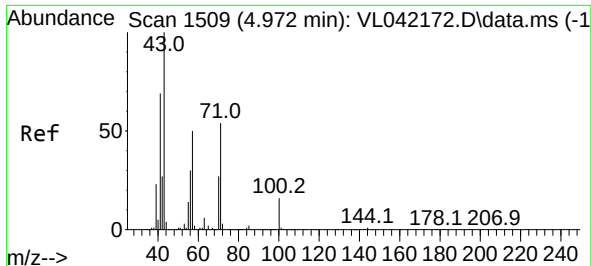
Tgt Ion: 94 Resp: 167
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#



#9
Propene
Concen: 0.801 ppbv
RT: 1.632 min Scan# 477
Delta R.T. 0.149 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 41 Resp: 10945
Ion Ratio Lower Upper
41 100
42 74.6 55.4 83.2

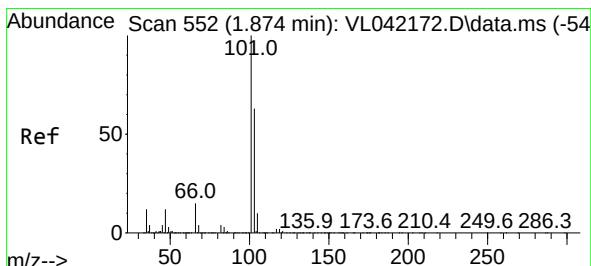
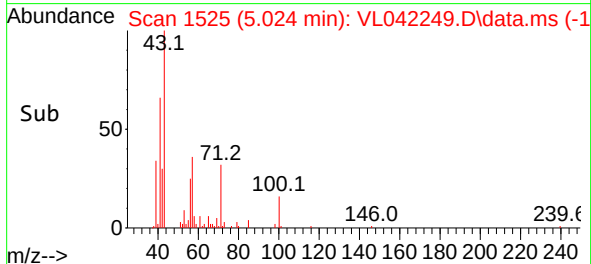
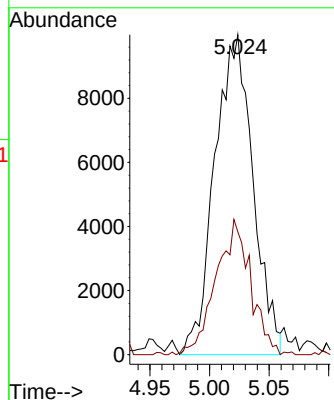
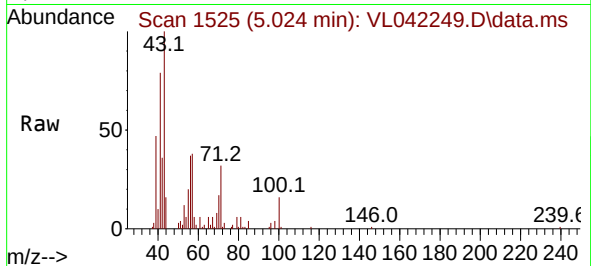




#10
Heptane
Concen: 0.613 ppbv
RT: 5.024 min Scan# 11
Delta R.T. 0.052 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

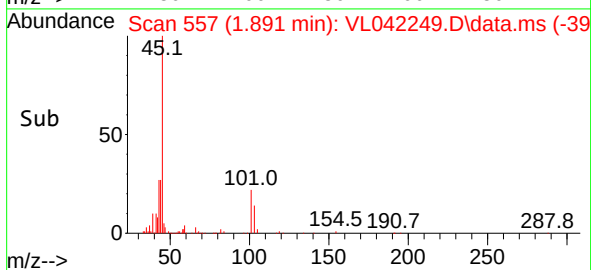
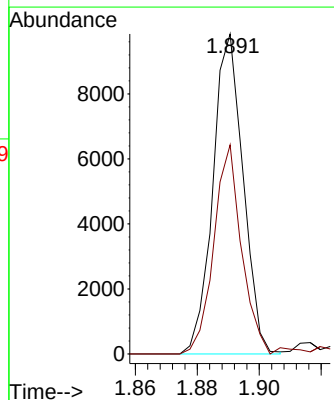
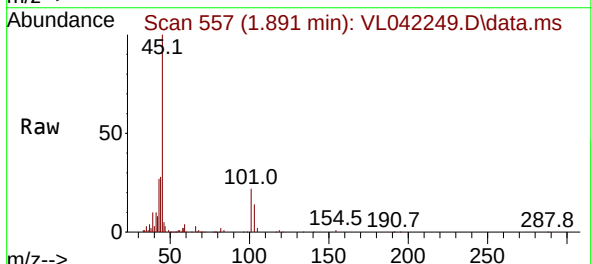
Instrument : MSVOA_1
ClientSampleId : SSSG-B10-1-03312025-SPLIT

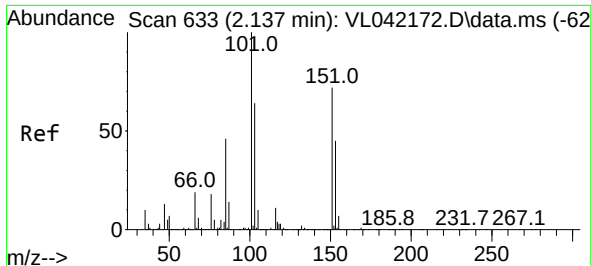
Tgt Ion: 43 Resp: 22305
Ion Ratio Lower Upper
43 100
57 38.5 39.4 59.2#



#11
Trichlorofluoromethane
Concen: 0.235 ppbv
RT: 1.891 min Scan# 557
Delta R.T. 0.016 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 101 Resp: 6666
Ion Ratio Lower Upper
101 100
103 65.3 50.2 75.2

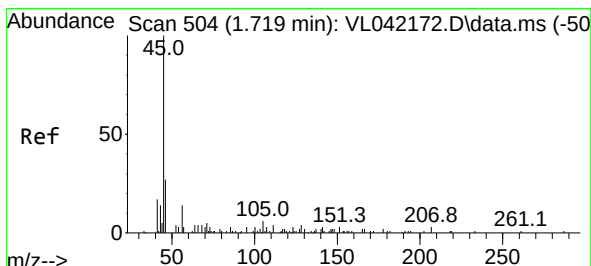
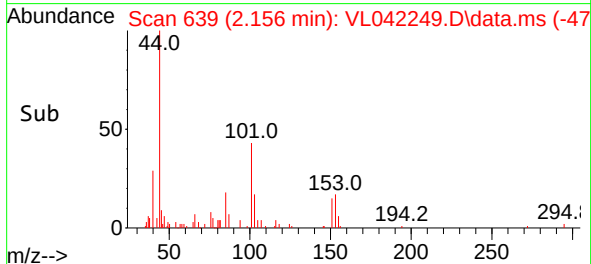
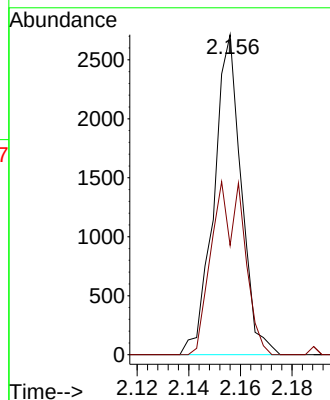
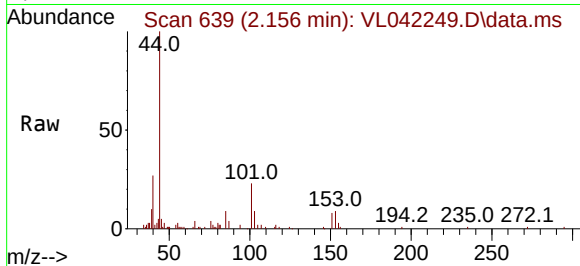




#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.086 ppbv
 RT: 2.156 min Scan# 611
 Delta R.T. 0.019 min
 Lab File: VL042249.D
 Acq: 08 Apr 2025 00:46

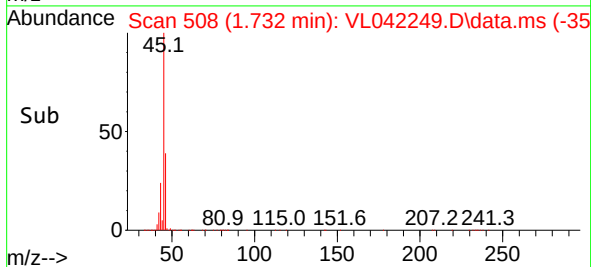
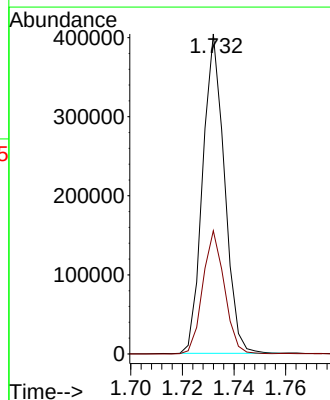
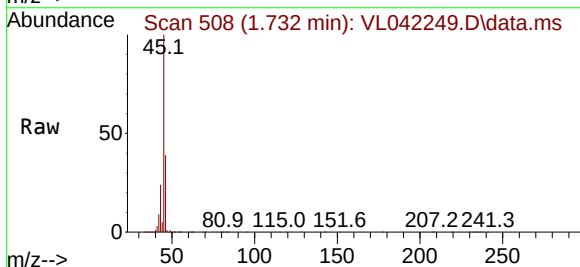
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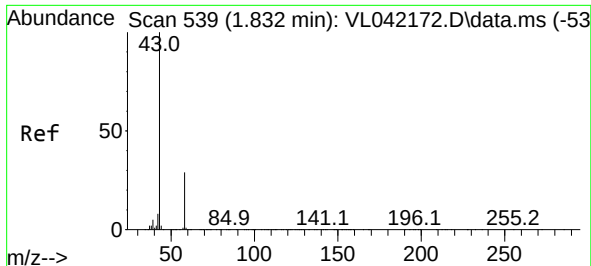
Tgt Ion: 101 Resp: 2000
 Ion Ratio Lower Upper
 101 100
 151 63.7 57.1 85.7



#13
 Ethanol
 Concen: 182.981 ppbv
 RT: 1.732 min Scan# 508
 Delta R.T. 0.013 min
 Lab File: VL042249.D
 Acq: 08 Apr 2025 00:46

Tgt Ion: 45 Resp: 236496
 Ion Ratio Lower Upper
 45 100
 46 38.7 20.2 80.8

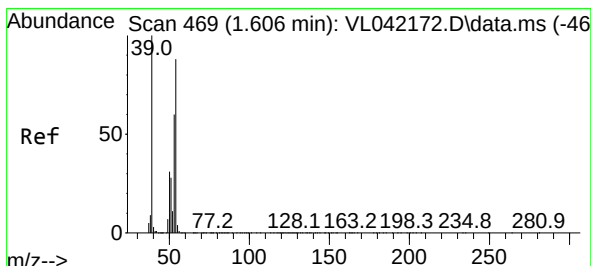
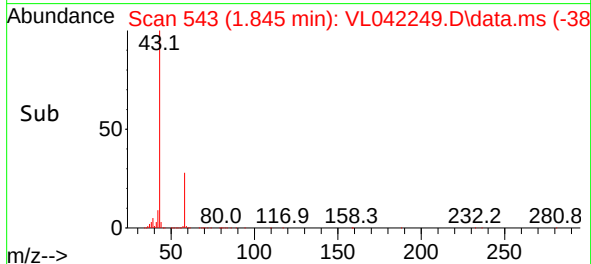
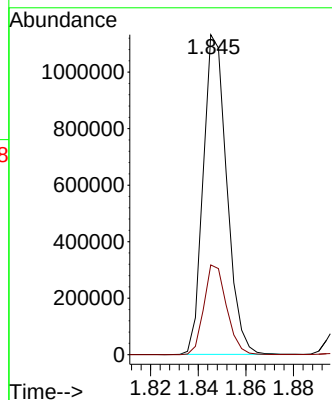
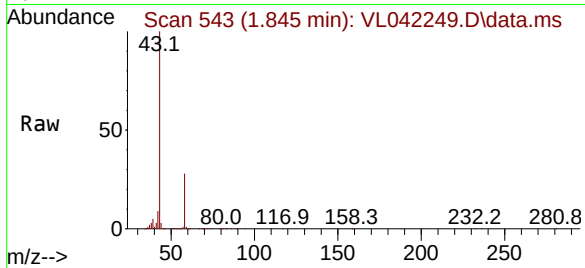




#15
Acetone
Concen: 28.202 ppbv
RT: 1.845 min Scan# 541
Delta R.T. 0.013 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

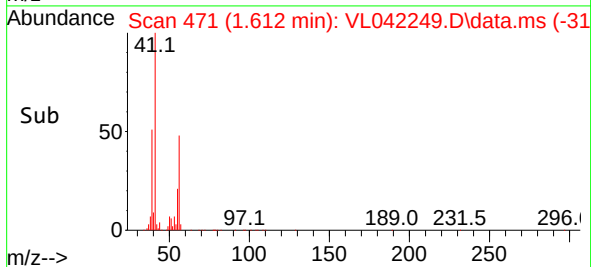
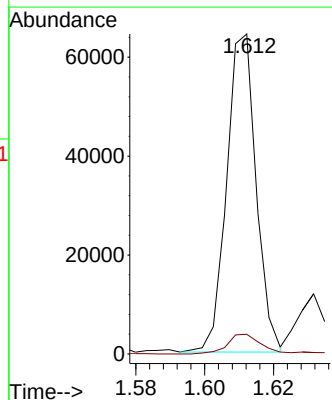
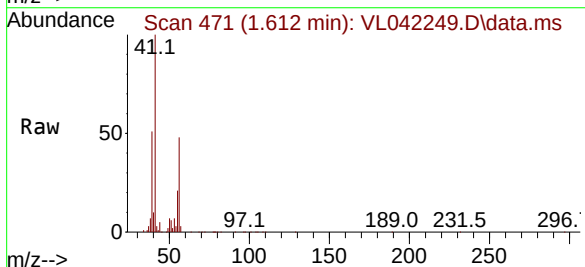
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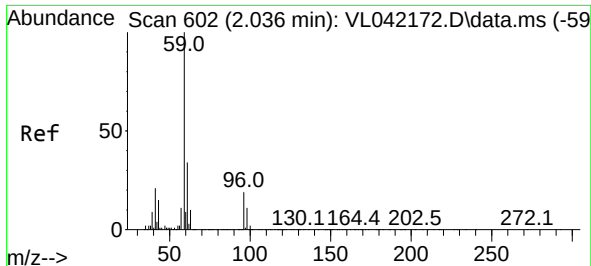
Tgt Ion: 43 Resp: 779996
Ion Ratio Lower Upper
43 100
58 27.1 23.2 34.8



#16
1,3-Butadiene
Concen: 2.828 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.006 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 39 Resp: 38194
Ion Ratio Lower Upper
39 100
54 7.9 60.7 91.1#





#17

tert-Butyl alcohol

Concen: 0.276 ppbv

RT: 1.897 min Scan# 51

Delta R.T. -0.139 min

Lab File: VL042249.D

Acq: 08 Apr 2025 00:46

Instrument :

MSVOA_L

ClientSampleId :

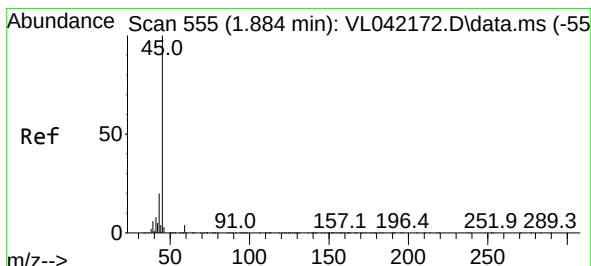
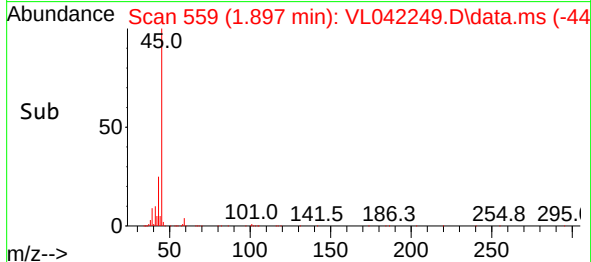
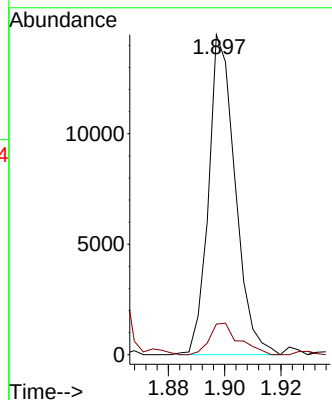
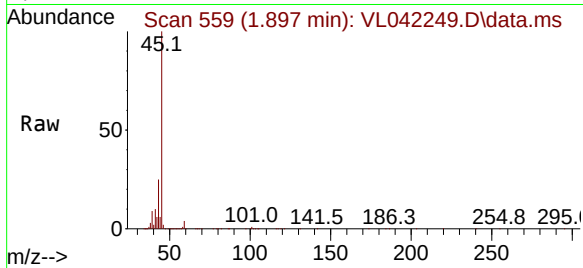
SSSG-B10-1-03312025-SPLIT

Tgt Ion: 59 Resp: 9515

Ion Ratio Lower Upper

59 100

57 11.5 8.9 13.3



#19

Isopropyl Alcohol

Concen: 17.376 ppbv

RT: 1.900 min Scan# 560

Delta R.T. 0.016 min

Lab File: VL042249.D

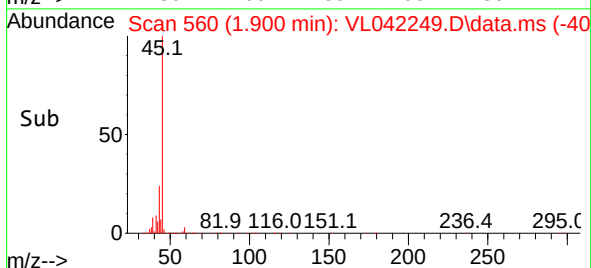
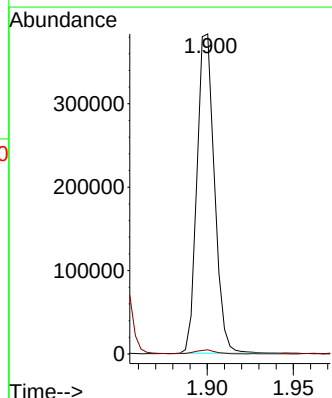
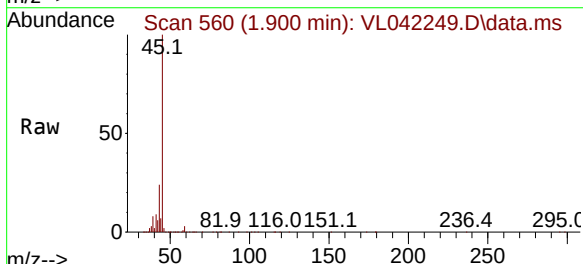
Acq: 08 Apr 2025 00:46

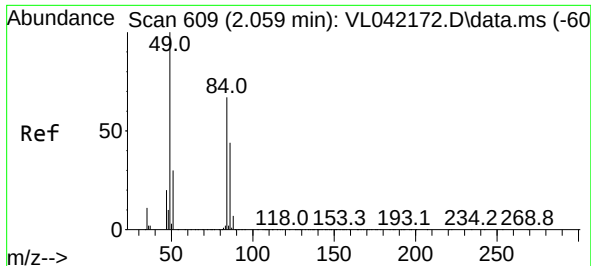
Tgt Ion: 45 Resp: 271152

Ion Ratio Lower Upper

45 100

58 78.1 36.9 55.3#

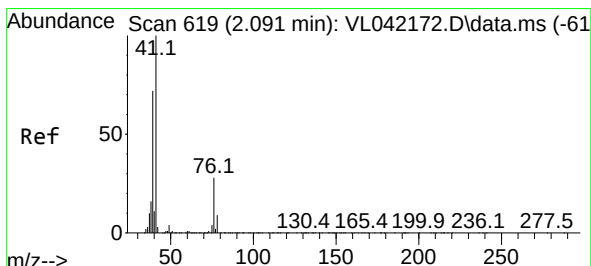
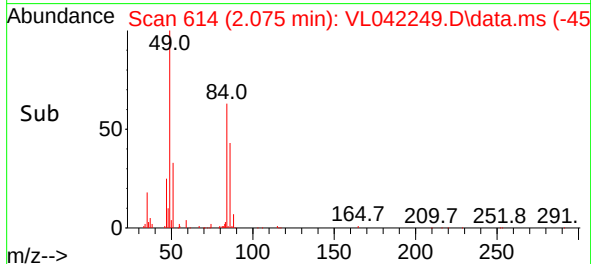
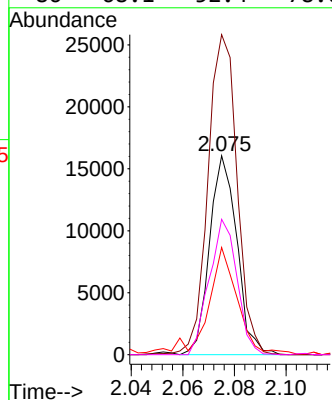
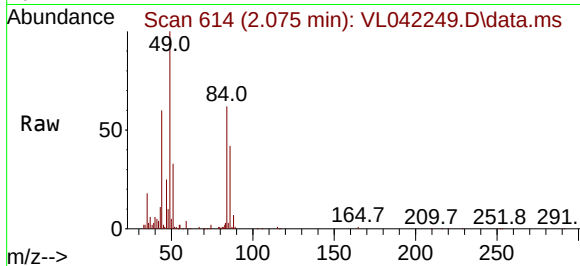




#20
Methylene Chloride
Concen: 1.147 ppbv
RT: 2.075 min Scan# 614
Delta R.T. 0.016 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

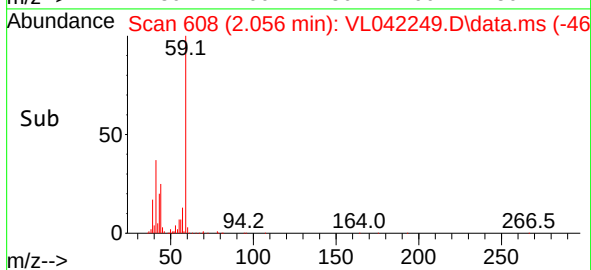
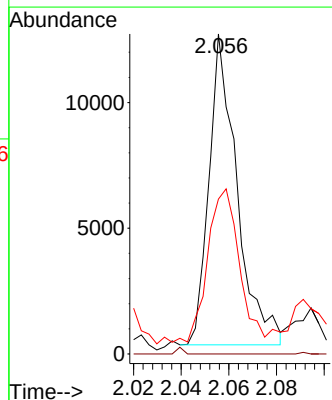
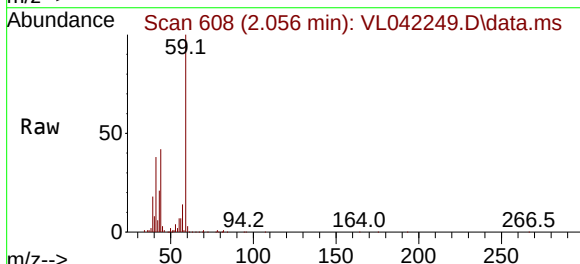
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

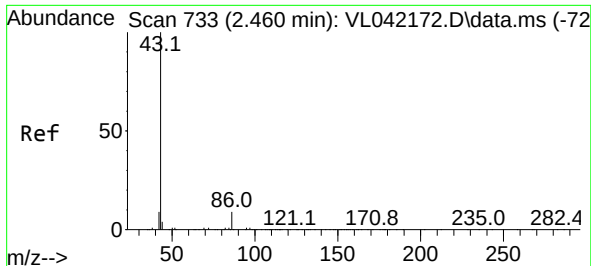
Tgt Ion:	84	Resp:	11817
Ion	Ratio	Lower	Upper
84	100		
49	160.5	120.2	180.4
51	52.1	37.4	56.0
86	68.1	52.4	78.6



#21
Allyl Chloride
Concen: 0.518 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.036 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion:	41	Resp:	10108
Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.1	36.1#
39	50.7	61.1	91.7#

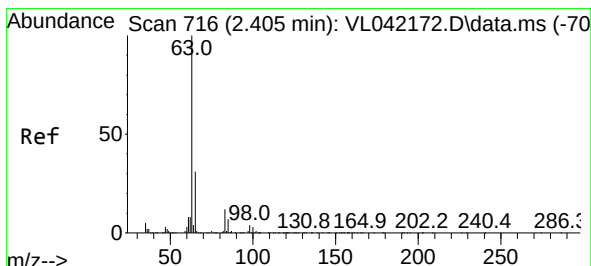
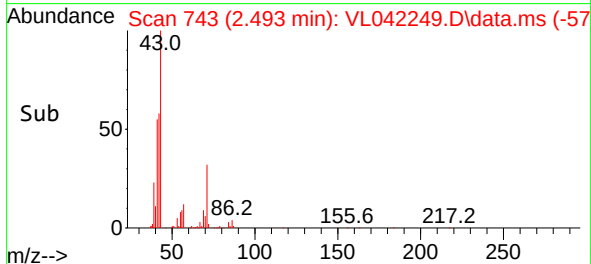
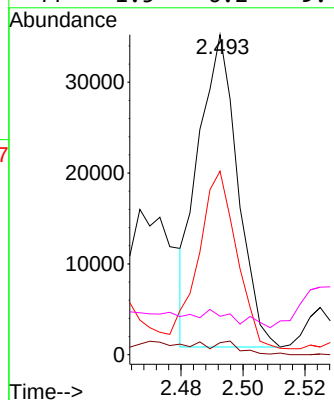
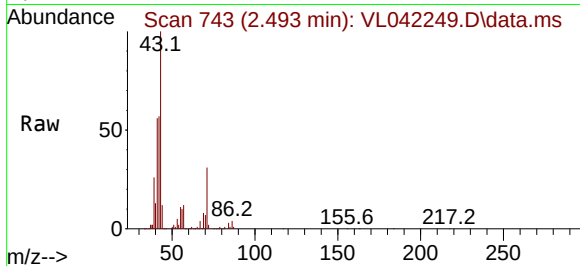




#23
 Vinyl Acetate
 Concen: 2.537 ppbv
 RT: 2.493 min Scan# 741
 Delta R.T. 0.032 min
 Lab File: VL042249.D
 Acq: 08 Apr 2025 00:46

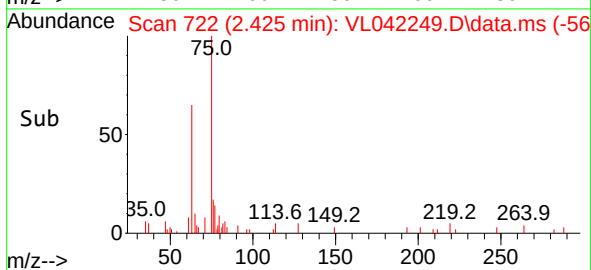
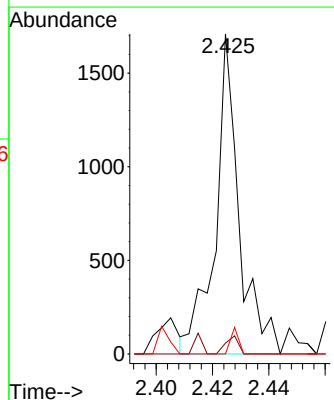
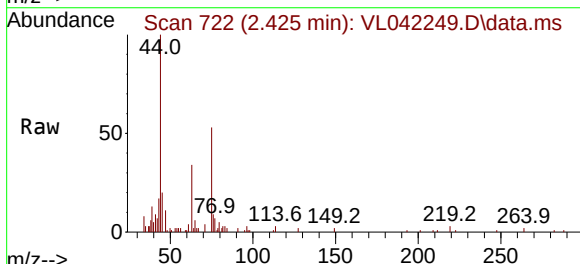
Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B10-1-03312025-SPLIT

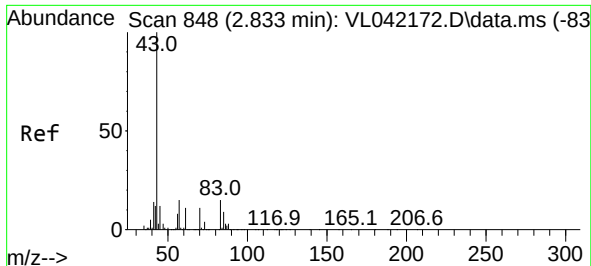
Tgt Ion:	43	Resp:	30371
Ion	Ratio	Lower	Upper
43	100		
86	3.3	5.5	8.3#
42	56.7	8.6	13.0#
44	1.5	6.2	9.4#



#24
 1,1-Dichloroethane
 Concen: 0.043 ppbv
 RT: 2.425 min Scan# 722
 Delta R.T. 0.019 min
 Lab File: VL042249.D
 Acq: 08 Apr 2025 00:46

Tgt Ion:	63	Resp:	995
Ion	Ratio	Lower	Upper
63	100		
98	3.4	2.3	6.8
100	0.0	1.6	4.7#

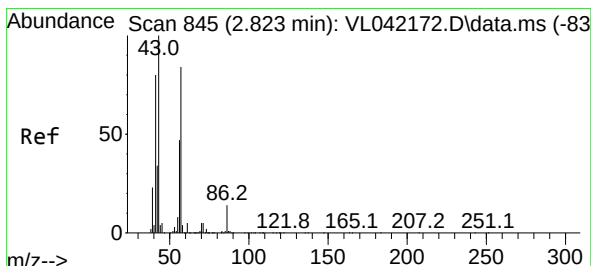
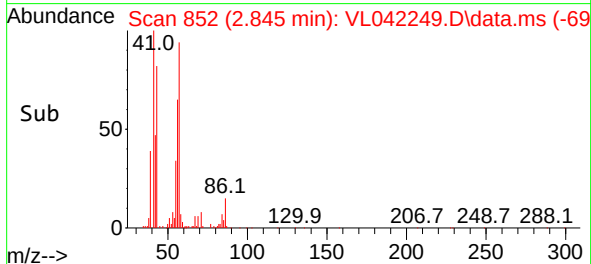
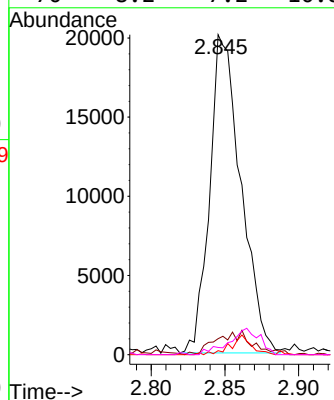
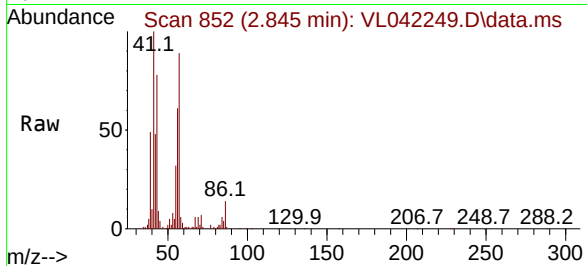




#25
Ethyl Acetate
Concen: 0.412 ppbv
RT: 2.845 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

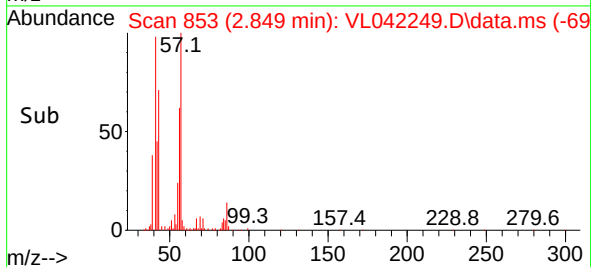
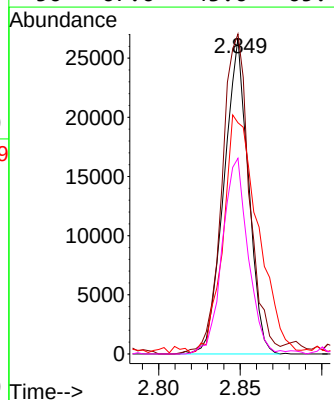
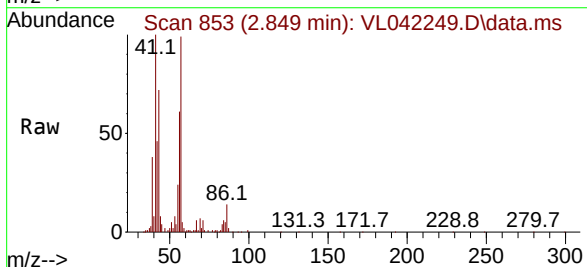
Instrument :
MSVOA_1
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

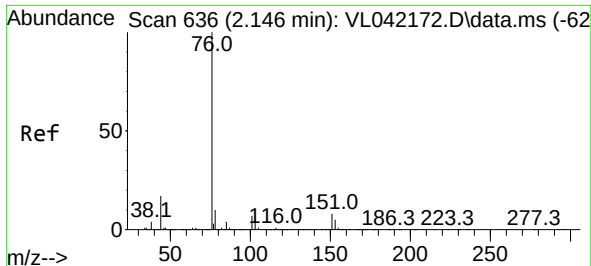
Tgt Ion: 43	Resp: 29553
Ion Ratio	Lower Upper
43 100	
45 9.5	8.2 12.2
61 4.3	7.3 10.9#
70 8.2	7.2 10.8



#26
Hexane
Concen: 1.004 ppbv
RT: 2.849 min Scan# 853
Delta R.T. 0.026 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 57	Resp: 27836
Ion Ratio	Lower Upper
57 100	
41 120.4	76.6 114.8#
43 110.3	207.8 311.8#
56 67.6	43.6 65.4#

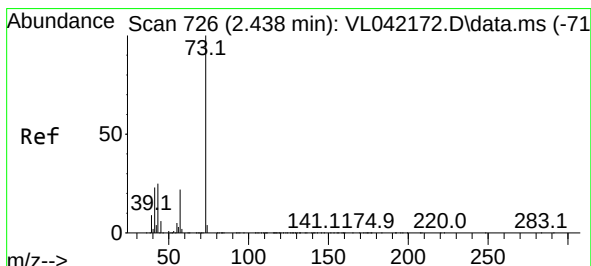
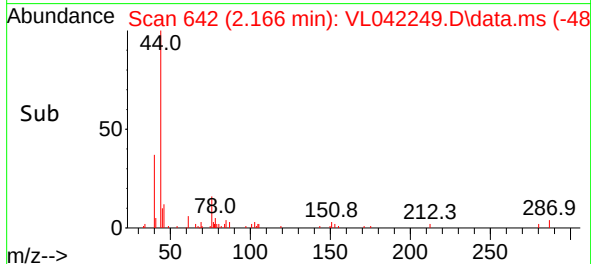
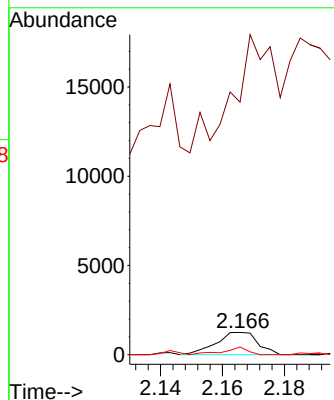
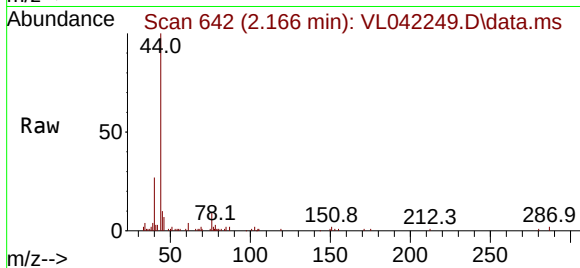




#27
Carbon Disulfide
Concen: 0.039 ppbv
RT: 2.166 min Scan# 642
Delta R.T. 0.019 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

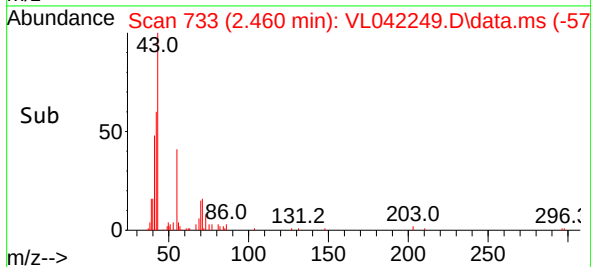
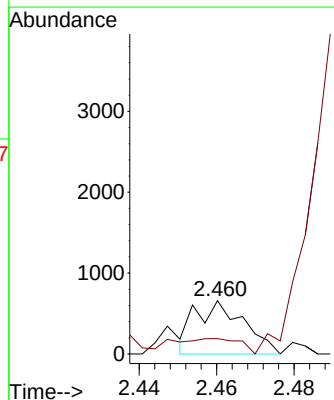
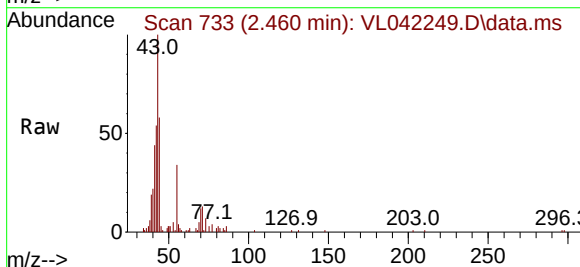
Instrument : MSVOA_L
ClientSampleId : SSSG-B10-1-03312025-SPLIT

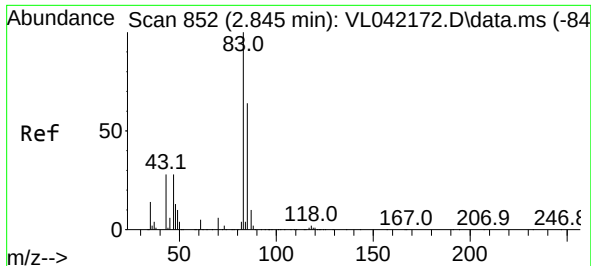
Tgt Ion: 76 Resp: 1171
Ion Ratio Lower Upper
76 100
44 4266.3 14.7 22.1#
78 30.2 9.3 13.9#



#28
Methyl tert-Butyl Ether
Concen: 0.033 ppbv
RT: 2.460 min Scan# 733
Delta R.T. 0.023 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 73 Resp: 573
Ion Ratio Lower Upper
73 100
57 0.0 20.5 30.7#

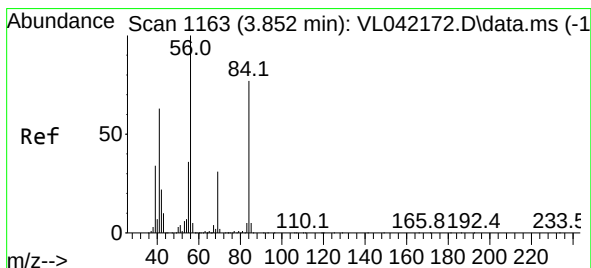
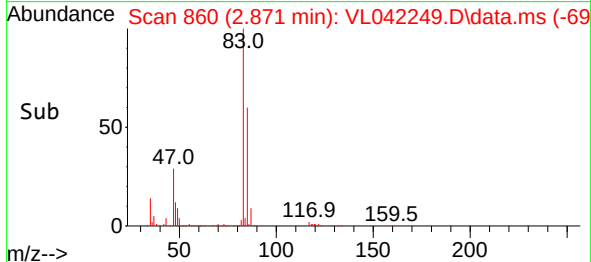
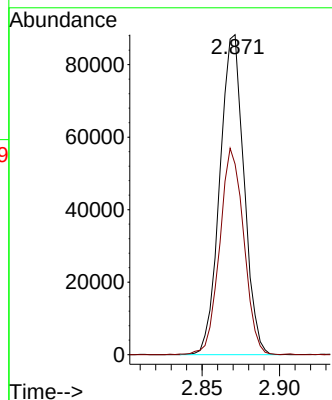
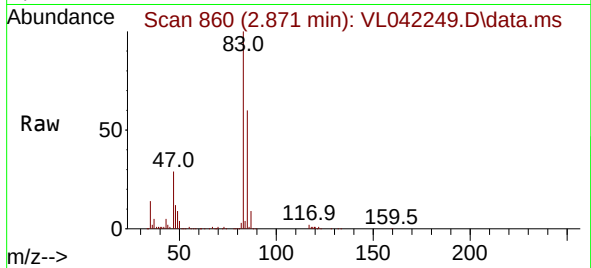




#29
Chloroform
Concen: 2.356 ppbv
RT: 2.871 min Scan# 80
Delta R.T. 0.026 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

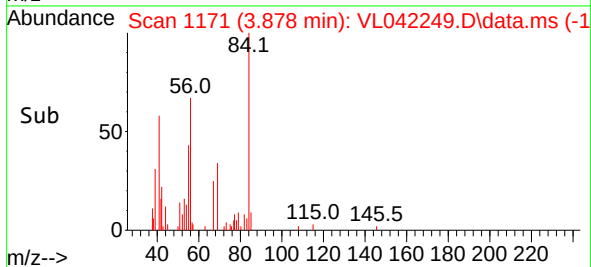
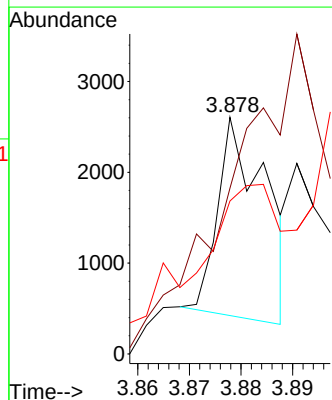
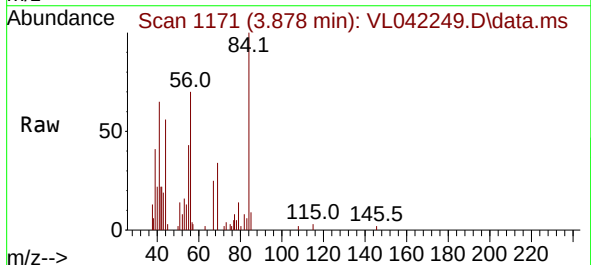
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

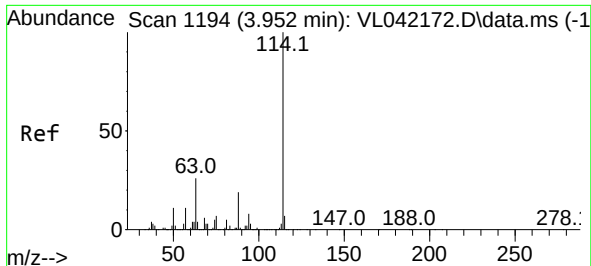
Tgt Ion: 83 Resp: 95587
Ion Ratio Lower Upper
83 100
85 59.5 51.4 77.2



#30
Cyclohexane
Concen: 0.059 ppbv
RT: 3.878 min Scan# 1171
Delta R.T. 0.026 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 84 Resp: 1413
Ion Ratio Lower Upper
84 100
56 0.0 102.8 154.2#
41 0.0 66.5 99.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.988 min Scan# 1194

Delta R.T. 0.036 min

Lab File: VL042249.D

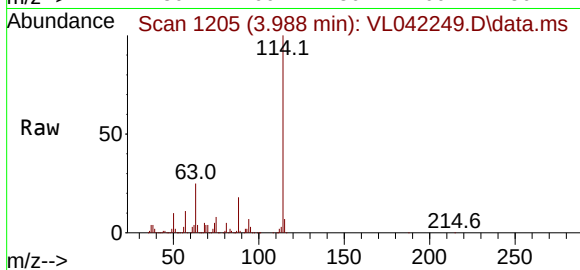
Acq: 08 Apr 2025 00:46

Instrument :

MSVOA_1

ClientSampleId :

SSSG-B10-1-03312025-SPLIT



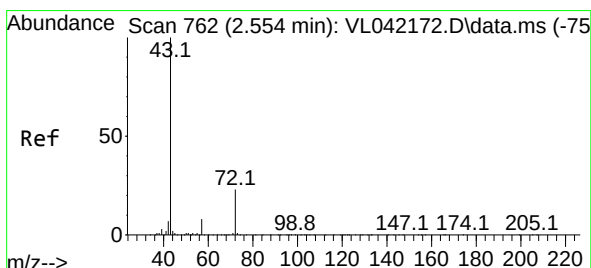
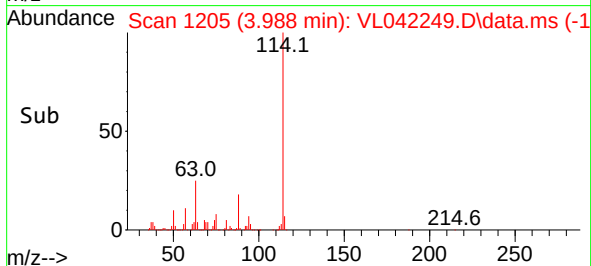
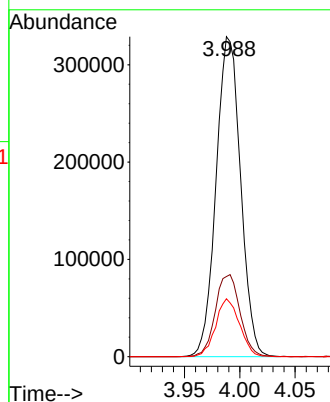
Tgt Ion:114 Resp: 506596

Ion Ratio Lower Upper

114 100

63 26.0 20.7 31.1

88 17.7 15.0 22.4



#34

2-Butanone

Concen: 1.500 ppbv

RT: 2.577 min Scan# 769

Delta R.T. 0.023 min

Lab File: VL042249.D

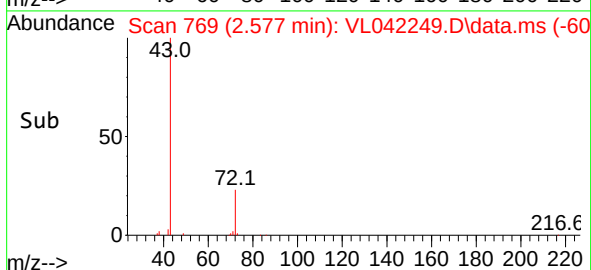
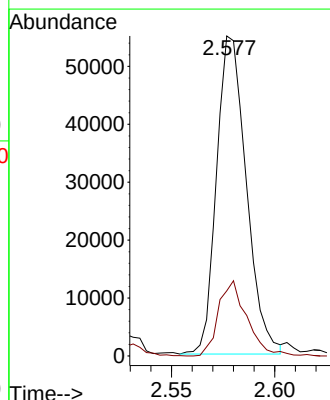
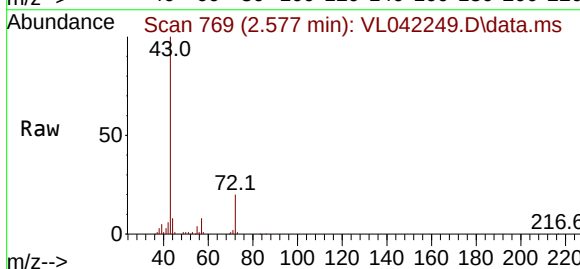
Acq: 08 Apr 2025 00:46

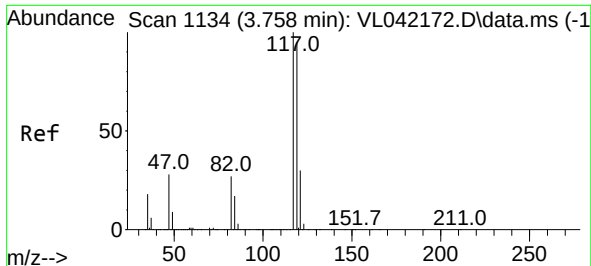
Tgt Ion: 43 Resp: 55098

Ion Ratio Lower Upper

43 100

72 22.7 18.2 27.2

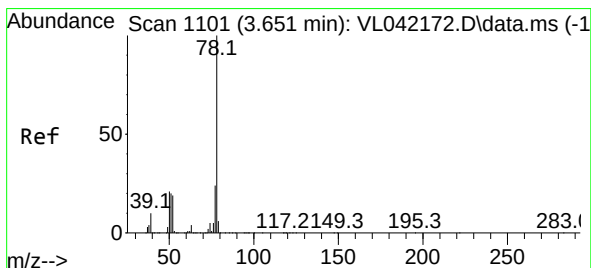
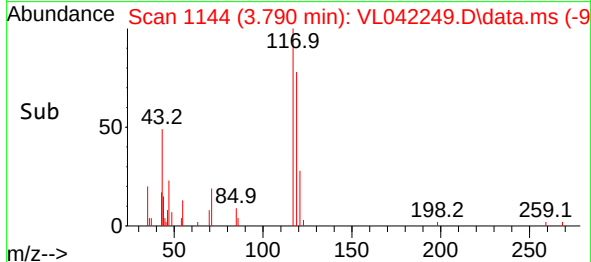
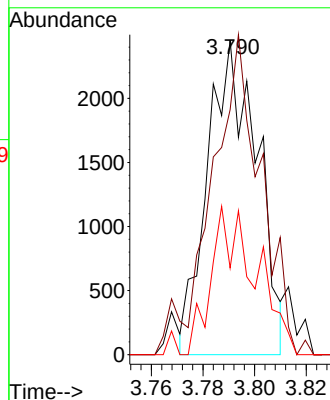
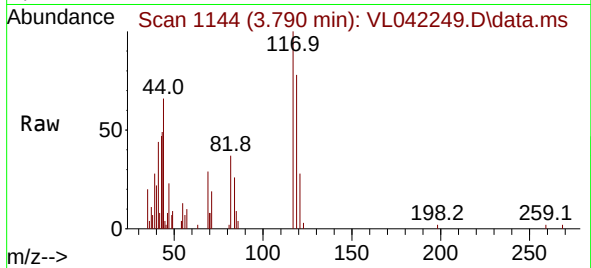




#35
Carbon Tetrachloride
Concen: 0.083 ppbv
RT: 3.790 min Scan# 1110
Delta R.T. 0.032 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

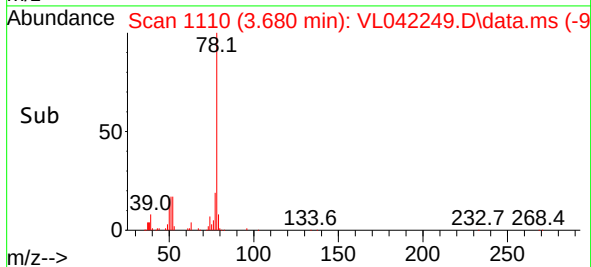
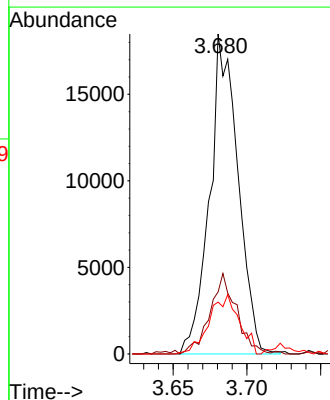
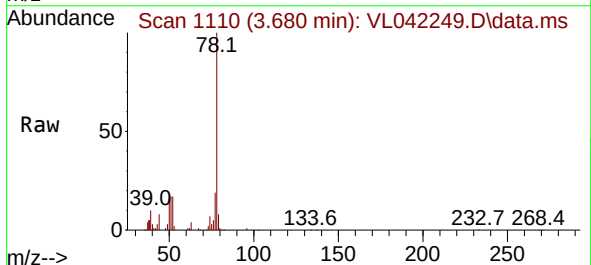
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

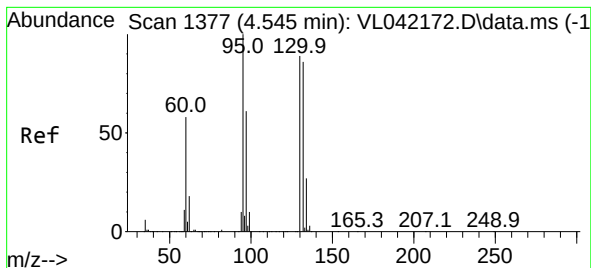
Tgt Ion:117 Resp: 3266
Ion Ratio Lower Upper
117 100
119 71.9 76.2 114.2#
121 29.5 24.2 36.4



#36
Benzene
Concen: 0.492 ppbv
RT: 3.680 min Scan# 1110
Delta R.T. 0.029 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 78 Resp: 24686
Ion Ratio Lower Upper
78 100
77 19.4 19.1 28.7
50 15.7 16.6 24.8#





#38

Trichloroethene

Concen: 0.095 ppbv

RT: 4.583 min Scan# 11

Delta R.T. 0.039 min

Lab File: VL042249.D

Acq: 08 Apr 2025 00:46

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B10-1-03312025-SPLIT

Tgt Ion:130 Resp: 1996

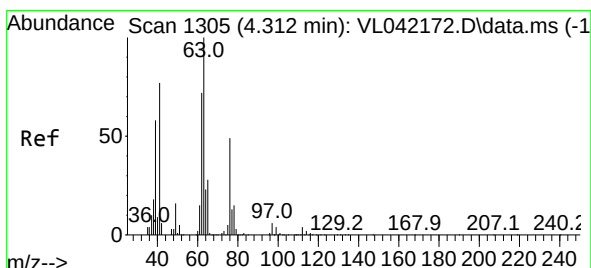
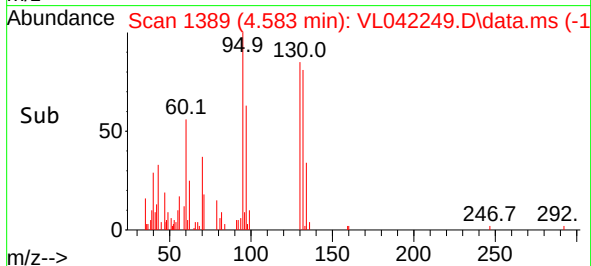
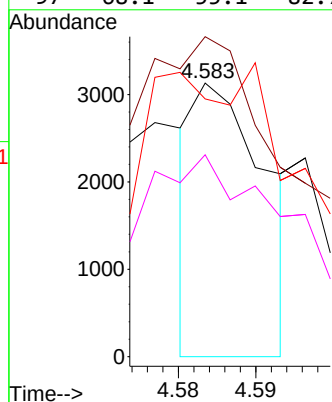
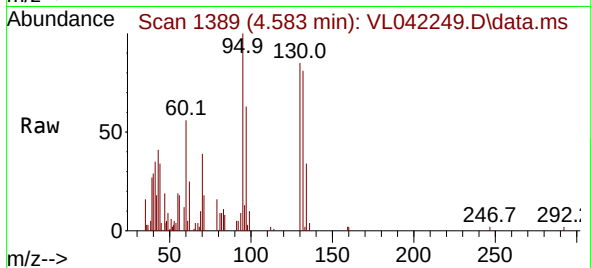
Ion Ratio Lower Upper

130 100

95 143.9 89.8 134.8#

132 89.9 77.4 116.2

97 68.1 55.1 82.7



#39

1,2-Dichloropropane

Concen: 7.151 ppbv

RT: 3.991 min Scan# 1206

Delta R.T. -0.320 min

Lab File: VL042249.D

Acq: 08 Apr 2025 00:46

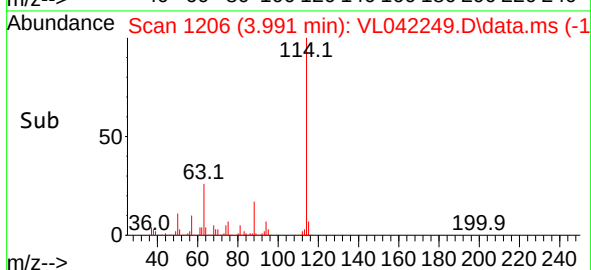
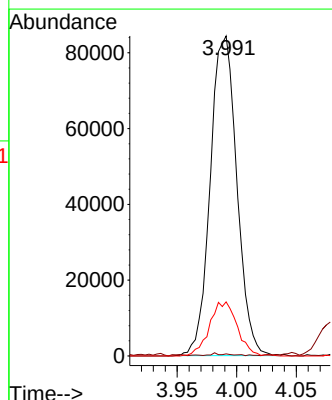
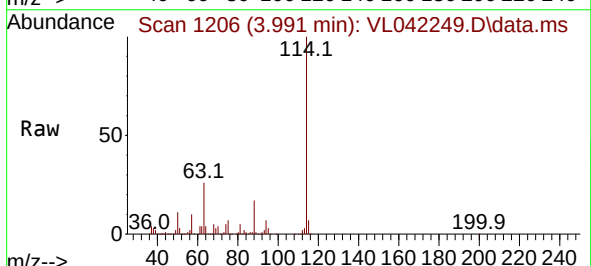
Tgt Ion: 63 Resp: 130789

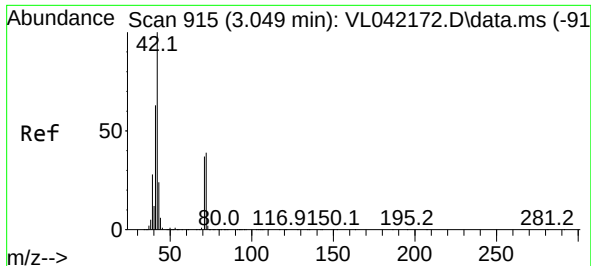
Ion Ratio Lower Upper

63 100

41 0.3 61.7 92.5#

62 16.9 57.6 86.4#

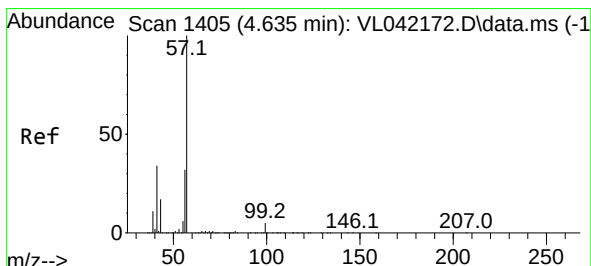
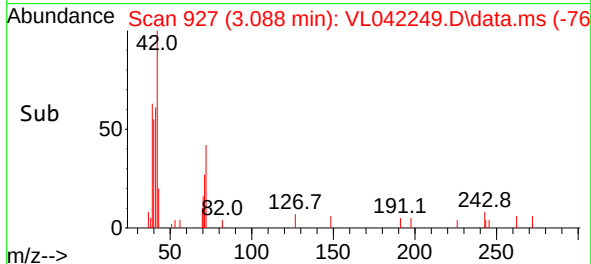
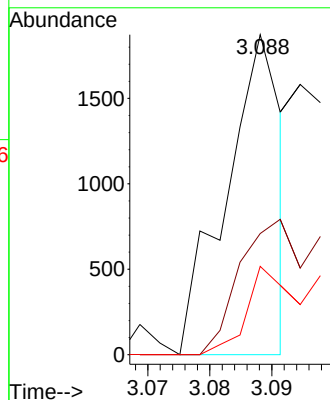
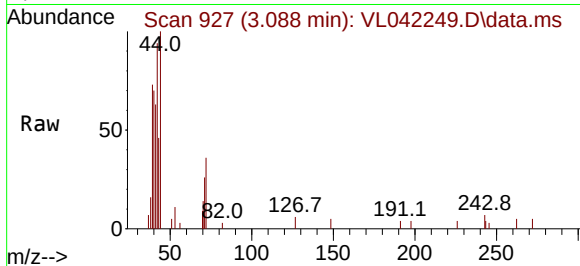




#41
Tetrahydrofuran
Concen: 0.055 ppbv
RT: 3.088 min Scan# 915
Delta R.T. 0.039 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

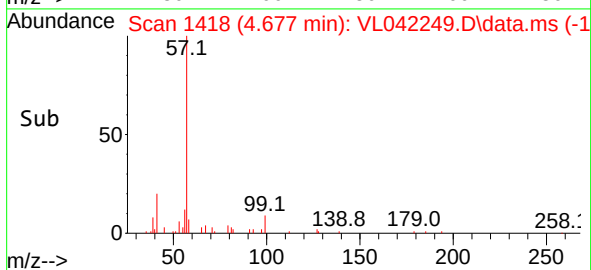
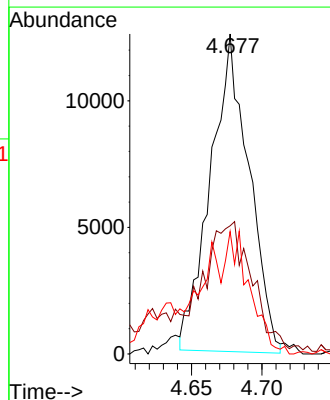
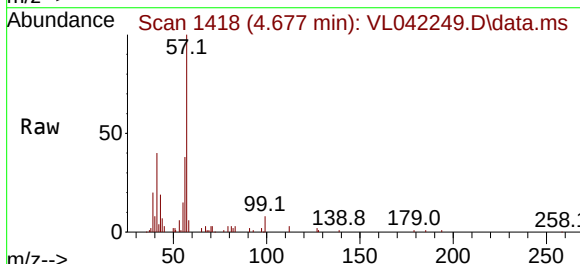
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

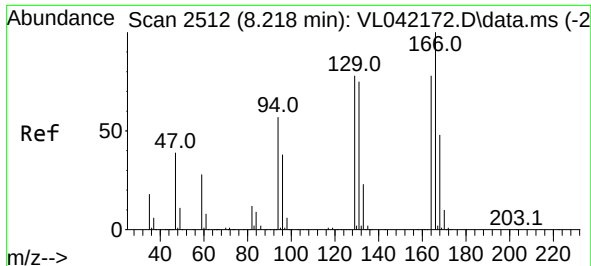
Tgt Ion: 42 Resp: 1169
Ion Ratio Lower Upper
42 100
72 0.0 31.4 47.0#
71 48.2 30.2 45.4#



#44
2,2,4-Trimethylpentane
Concen: 0.281 ppbv
RT: 4.677 min Scan# 1418
Delta R.T. 0.042 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 57 Resp: 23872
Ion Ratio Lower Upper
57 100
41 65.8 26.8 40.2#
56 59.3 25.6 38.4#



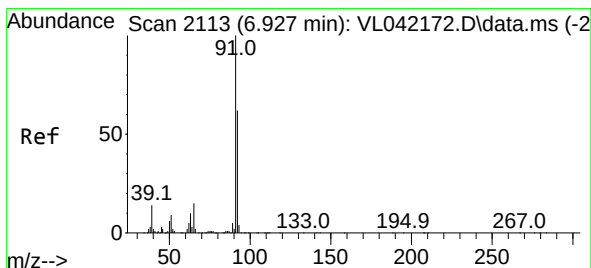
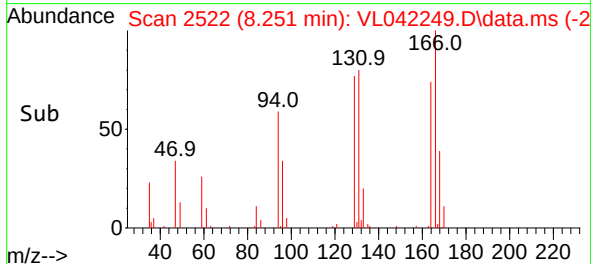
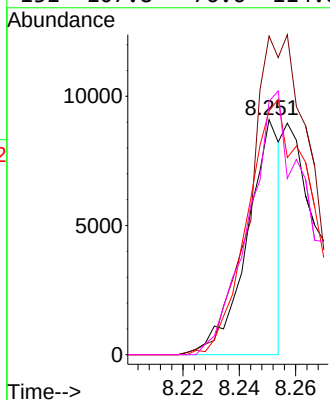
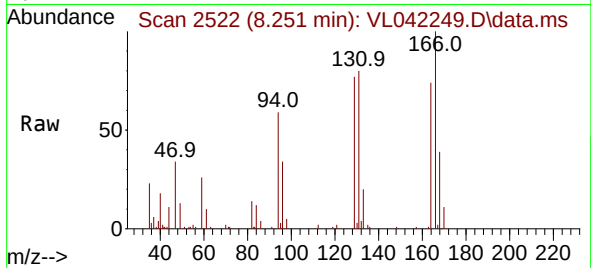


#52
Tetrachloroethene
Concen: 0.371 ppbv
RT: 8.251 min Scan# 2127
Delta R.T. 0.032 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion:164 Resp: 7399

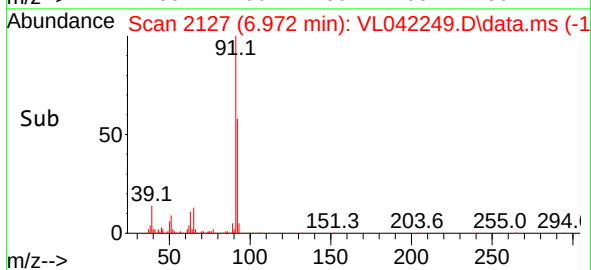
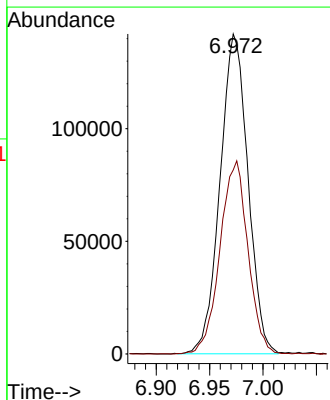
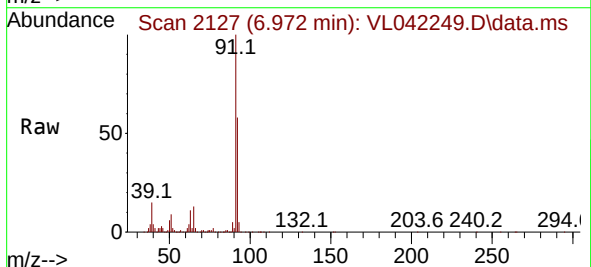
Ion	Ratio	Lower	Upper
164	100		
166	135.5	102.5	153.7
129	103.7	79.8	119.8
131	107.8	76.6	114.8

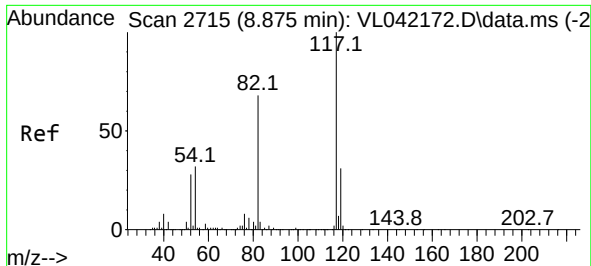


#53
Toluene
Concen: 4.334 ppbv
RT: 6.972 min Scan# 2127
Delta R.T. 0.045 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 91 Resp: 258006

Ion	Ratio	Lower	Upper
91	100		
92	60.6	48.4	72.6

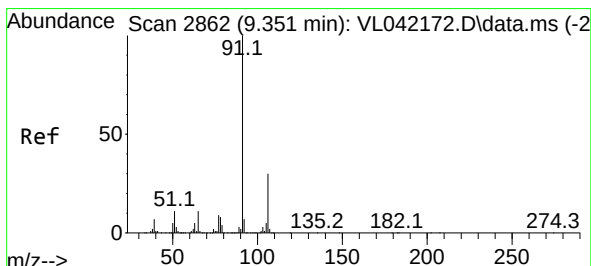
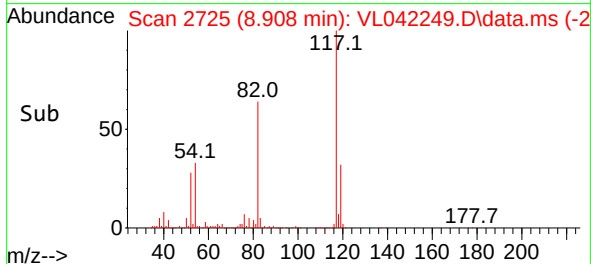
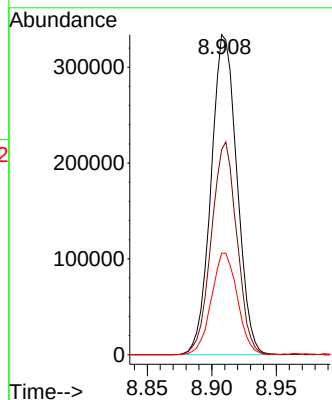
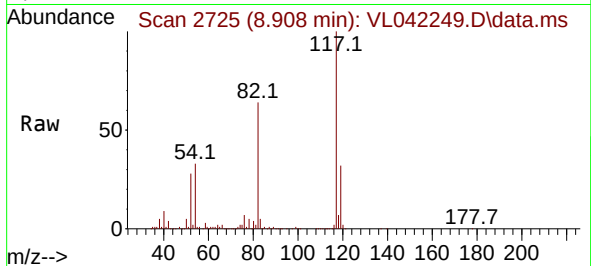




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.908 min Scan# 21
Delta R.T. 0.032 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

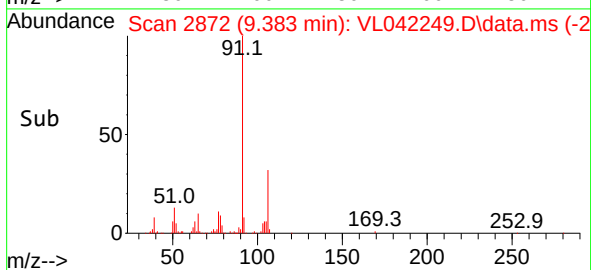
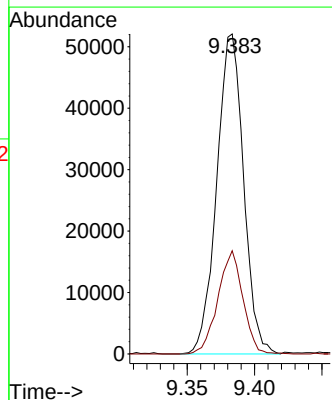
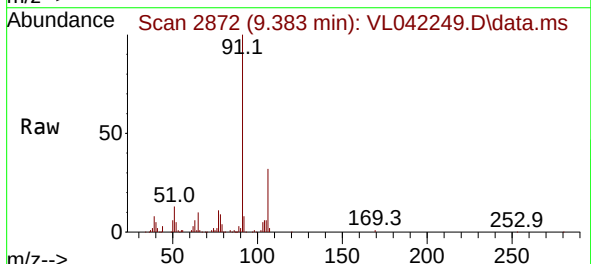
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

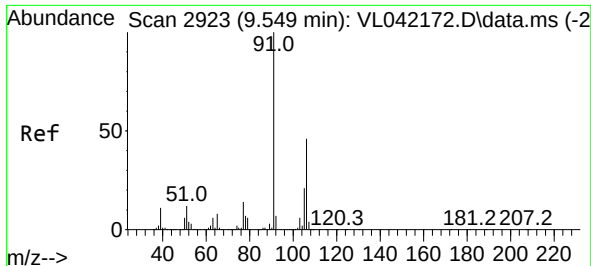
Tgt Ion:117 Resp: 465539
Ion Ratio Lower Upper
117 100
82 65.7 55.8 83.6
119 32.0 25.5 38.3



#58
Ethyl Benzene
Concen: 0.872 ppbv
RT: 9.383 min Scan# 2872
Delta R.T. 0.032 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 91 Resp: 72131
Ion Ratio Lower Upper
91 100
106 32.2 24.2 36.2





#59

m/p-Xylene

Concen: 4.307 ppbv

RT: 9.558 min Scan# 2923

Delta R.T. 0.010 min

Lab File: VL042249.D

Acq: 08 Apr 2025 00:46

Instrument :

MSVOA_L

ClientSampleId :

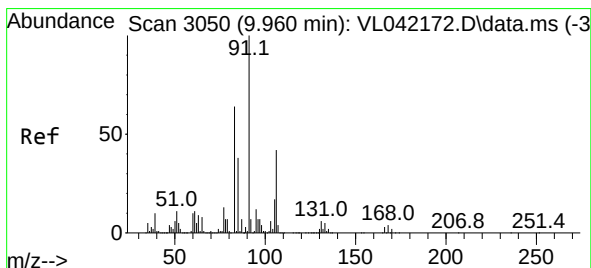
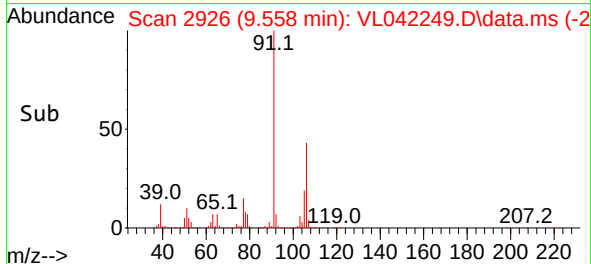
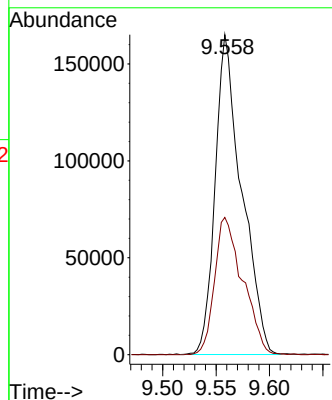
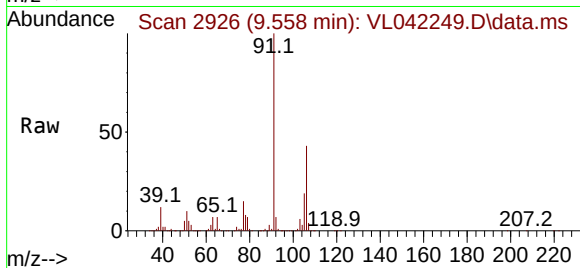
SSSG-B10-1-03312025-SPLIT

Tgt Ion: 91 Resp: 284370

Ion Ratio Lower Upper

91 100

106 45.7 36.4 54.6



#60

o-Xylene

Concen: 1.790 ppbv

RT: 9.992 min Scan# 3060

Delta R.T. 0.032 min

Lab File: VL042249.D

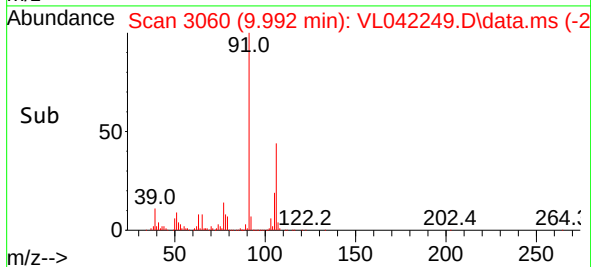
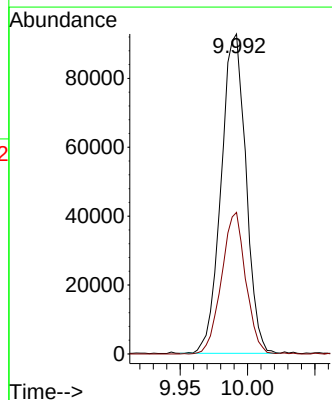
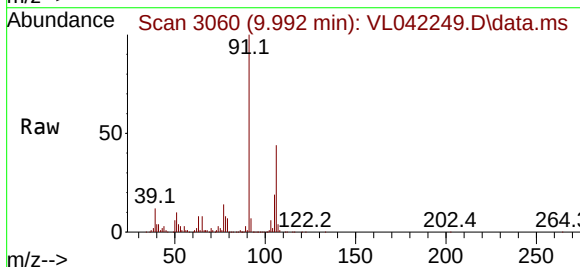
Acq: 08 Apr 2025 00:46

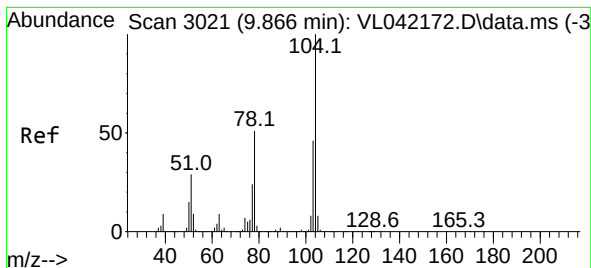
Tgt Ion: 91 Resp: 118466

Ion Ratio Lower Upper

91 100

106 43.5 20.8 62.5





#61

Styrene

Concen: 0.037 ppbv

RT: 9.898 min Scan# 3021

Delta R.T. 0.032 min

Lab File: VL042249.D

Acq: 08 Apr 2025 00:46

Instrument :

MSVOA_1

ClientSampleId :

SSSG-B10-1-03312025-SPLIT

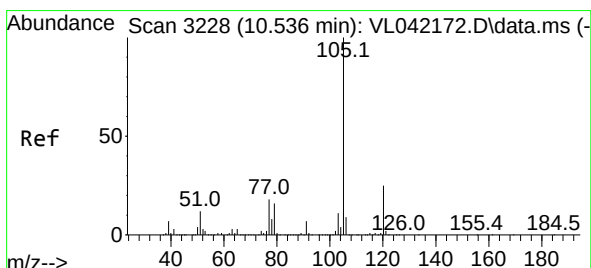
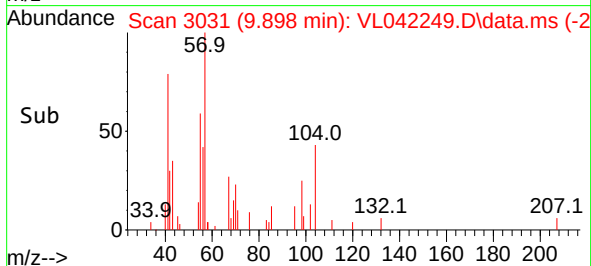
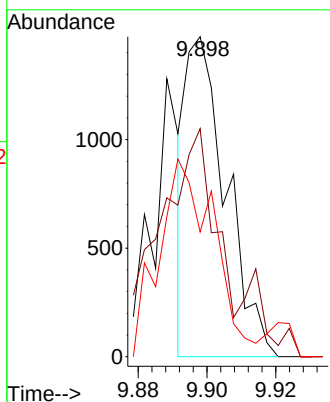
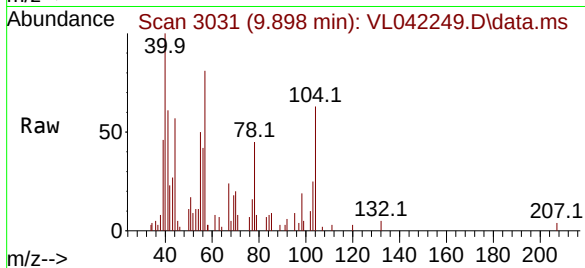
Tgt Ion:104 Resp: 1201

Ion Ratio Lower Upper

104 100

78 119.2 41.8 62.6#

103 0.0 37.0 55.4#



#62

Isopropylbenzene

Concen: 0.047 ppbv

RT: 10.558 min Scan# 3235

Delta R.T. 0.023 min

Lab File: VL042249.D

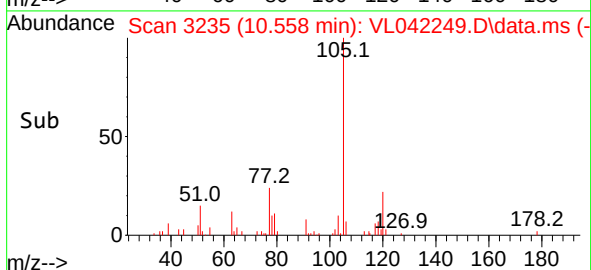
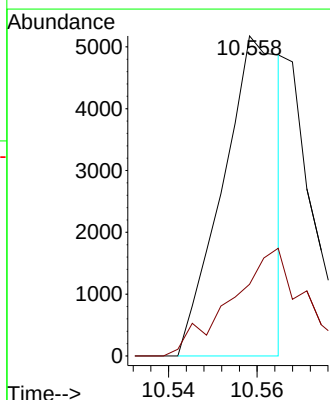
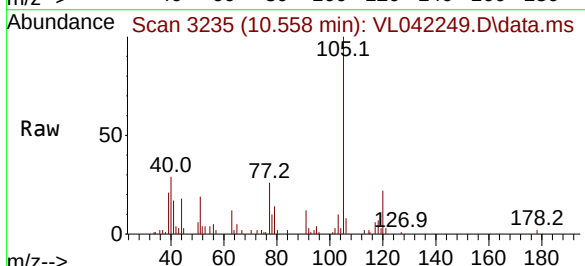
Acq: 08 Apr 2025 00:46

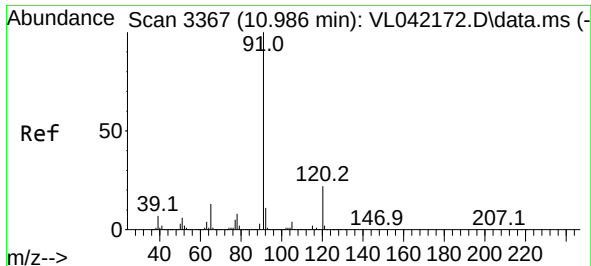
Tgt Ion:105 Resp: 4630

Ion Ratio Lower Upper

105 100

120 42.0 19.9 29.9#

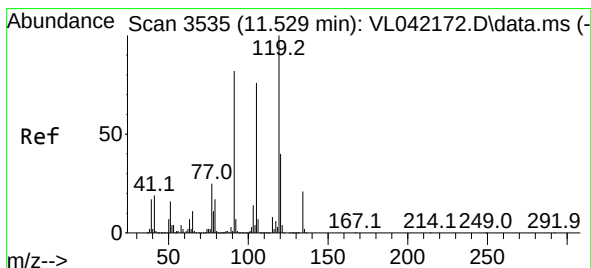
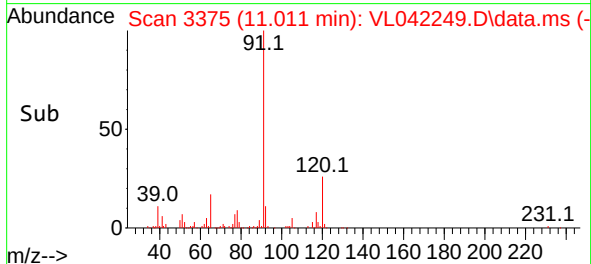
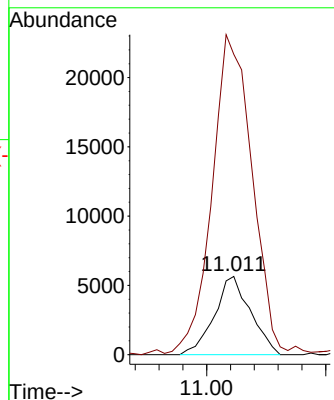
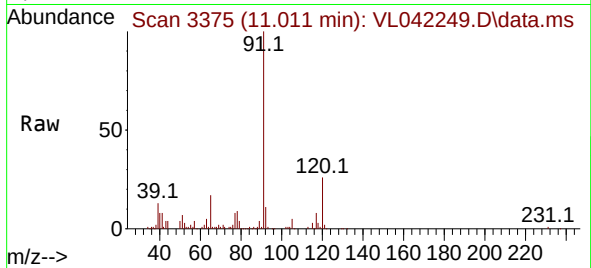




#64
n-propylbenzene
Concen: 0.233 ppbv
RT: 11.011 min Scan# 31
Delta R.T. 0.026 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

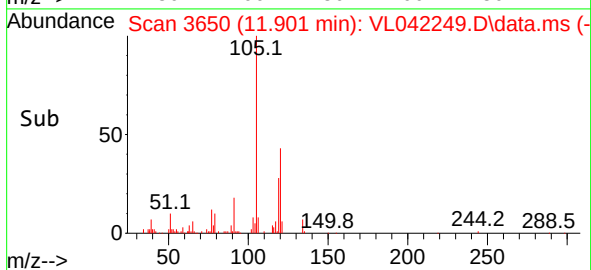
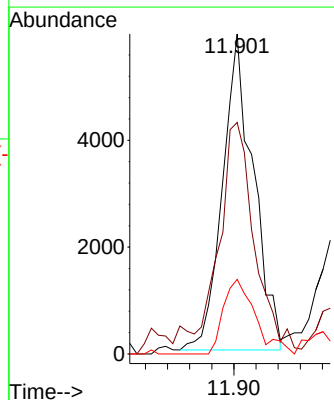
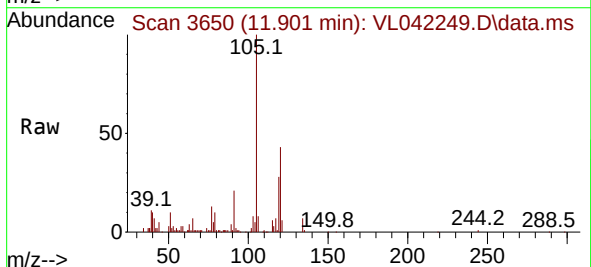
Instrument :
MSVOA_1
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

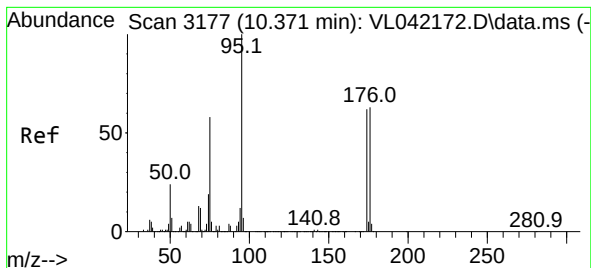
Tgt Ion:120 Resp: 5944
Ion Ratio Lower Upper
120 100
91 461.4 376.9 565.3



#65
tert-Butylbenzene
Concen: 0.063 ppbv
RT: 11.901 min Scan# 3650
Delta R.T. 0.372 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion:119 Resp: 5740
Ion Ratio Lower Upper
119 100
91 94.1 66.0 99.0
134 24.3 16.7 25.1

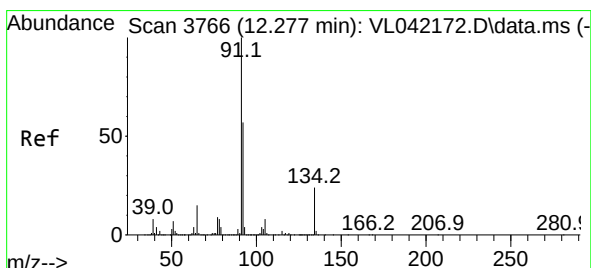
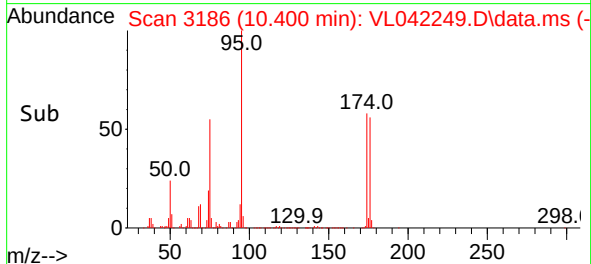
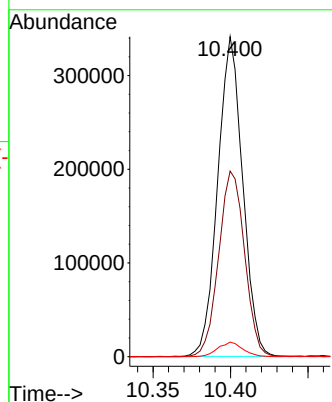
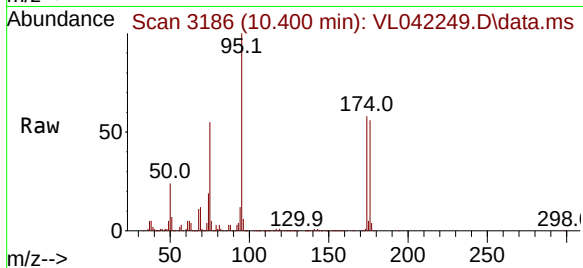




#68
1-Bromo-4-Fluorobenzene
Concen: 9.981 ppbv
RT: 10.400 min Scan# 3177
Delta R.T. 0.029 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

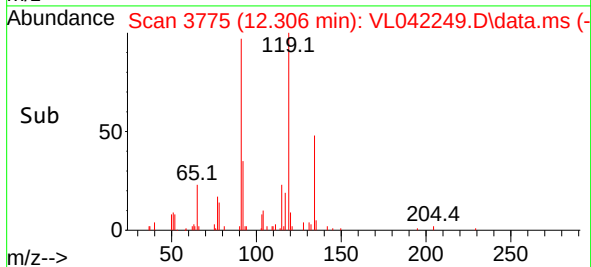
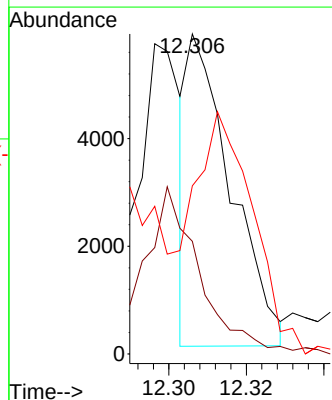
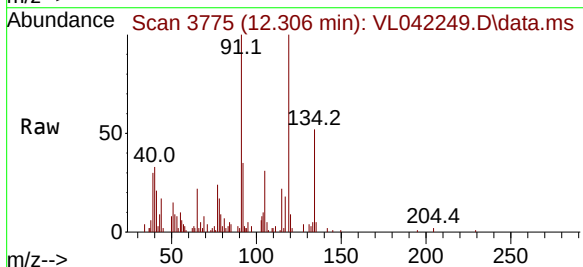
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

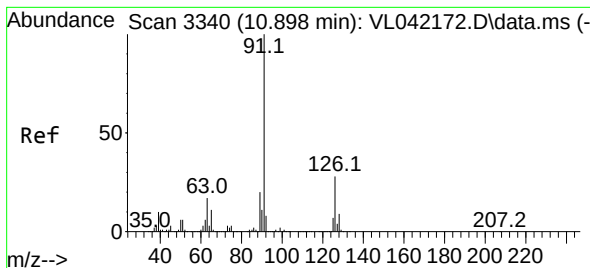
Tgt Ion: 95 Resp: 381596
Ion Ratio Lower Upper
95 100
174 60.6 50.6 76.0
175 4.6 3.8 5.6



#70
n-Butylbenzene
Concen: 0.040 ppbv
RT: 12.306 min Scan# 3775
Delta R.T. 0.029 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 91 Resp: 4533
Ion Ratio Lower Upper
91 100
92 0.0 44.9 67.3#
134 183.5 19.2 28.8#





#71

2-Chlorotoluene

Concen: 0.346 ppbv

RT: 11.008 min Scan# 31

Delta R.T. 0.110 min

Lab File: VL042249.D

Acq: 08 Apr 2025 00:46

Instrument :

MSVOA_L

ClientSampleId :

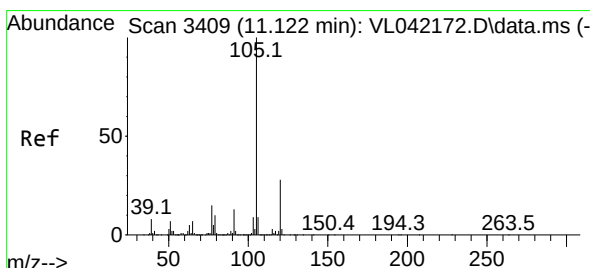
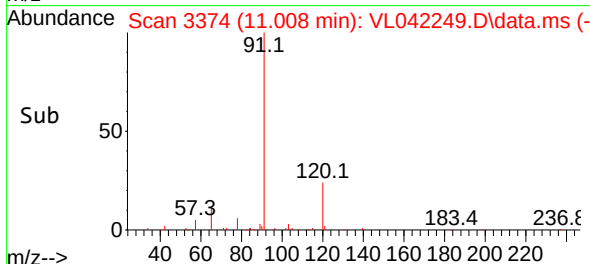
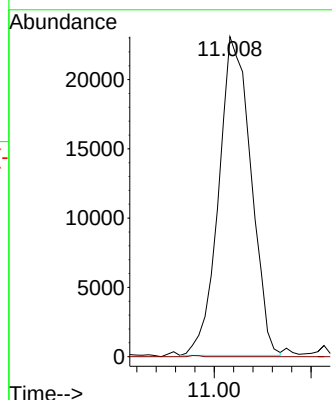
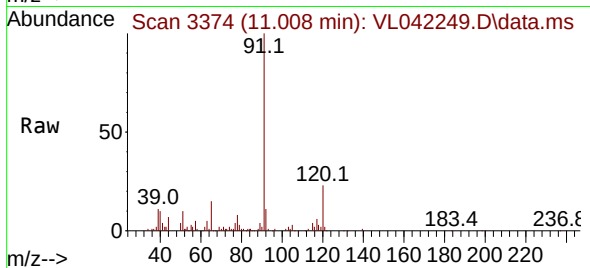
SSSG-B10-1-03312025-SPLIT

Tgt Ion: 91 Resp: 26595

Ion Ratio Lower Upper

91 100

126 0.1 11.6 46.4#



#72

4-Ethyltoluene

Concen: 0.436 ppbv

RT: 11.147 min Scan# 3417

Delta R.T. 0.026 min

Lab File: VL042249.D

Acq: 08 Apr 2025 00:46

Tgt Ion: 105 Resp: 35916

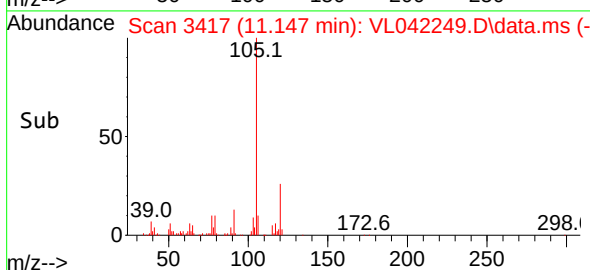
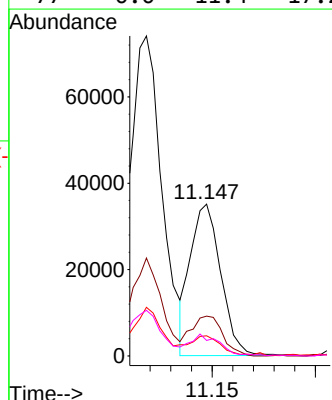
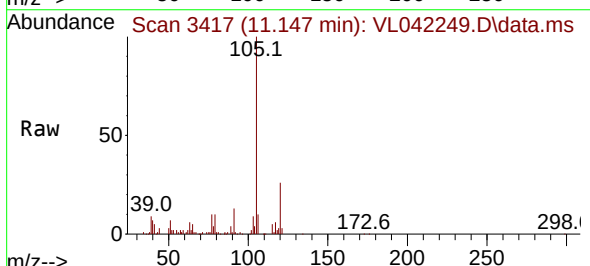
Ion Ratio Lower Upper

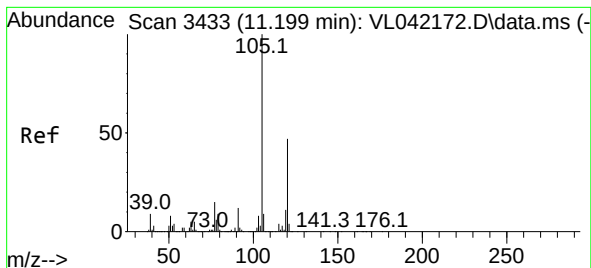
105 100

120 0.0 23.4 35.0#

91 0.0 10.3 15.5#

77 0.0 11.4 17.2#





#73

1,3,5-Trimethylbenzene

Concen: 0.435 ppbv

RT: 11.225 min Scan# 34

Delta R.T. 0.026 min

Lab File: VL042249.D

Acq: 08 Apr 2025 00:46

Instrument :

MSVOA_L

ClientSampleId :

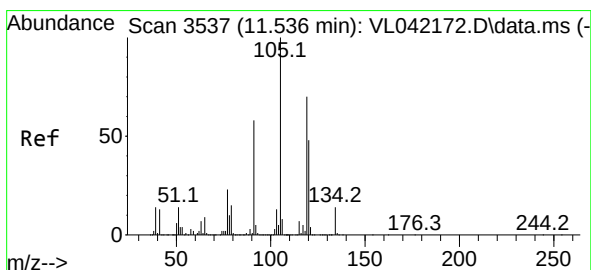
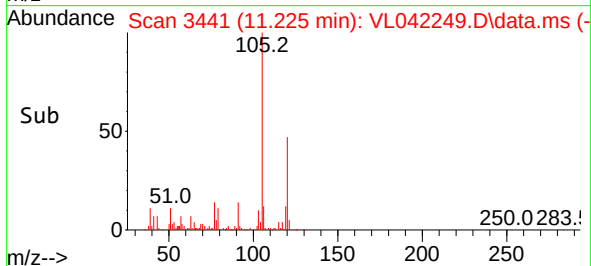
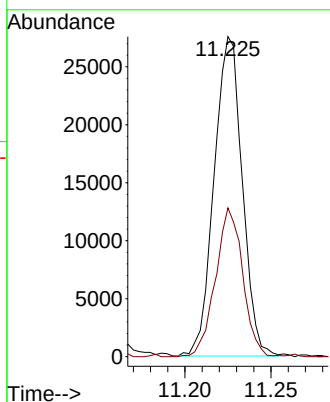
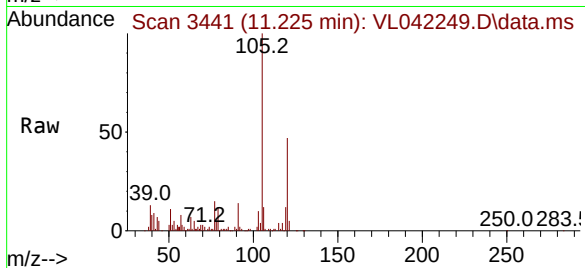
SSSG-B10-1-03312025-SPLIT

Tgt Ion:105 Resp: 31326

Ion Ratio Lower Upper

105 100

120 46.6 37.4 56.0



#74

1,2,4-Trimethylbenzene

Concen: 1.746 ppbv

RT: 11.558 min Scan# 3544

Delta R.T. 0.023 min

Lab File: VL042249.D

Acq: 08 Apr 2025 00:46

Tgt Ion:105 Resp: 144819

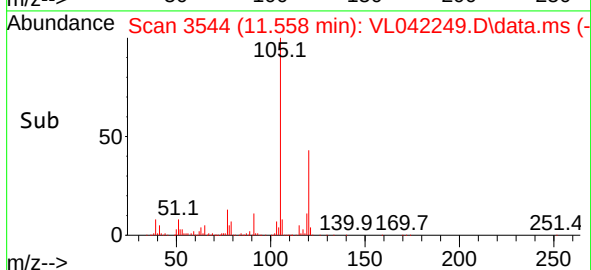
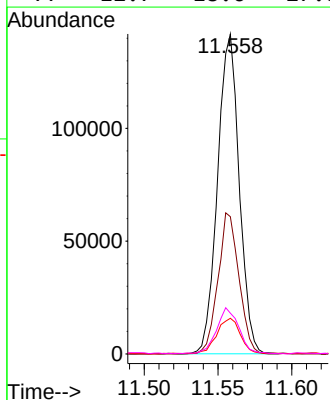
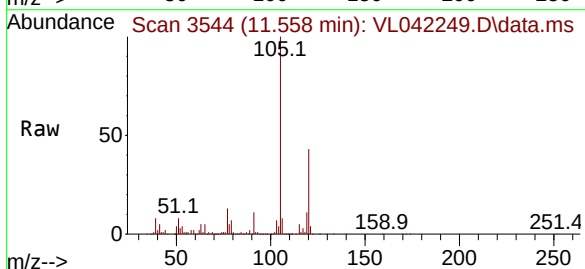
Ion Ratio Lower Upper

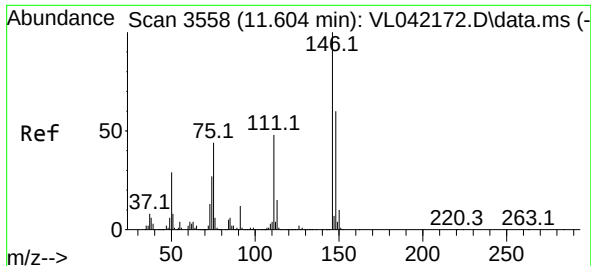
105 100

120 42.9 38.6 58.0

91 11.0 46.2 69.2#

77 12.7 18.6 27.8#

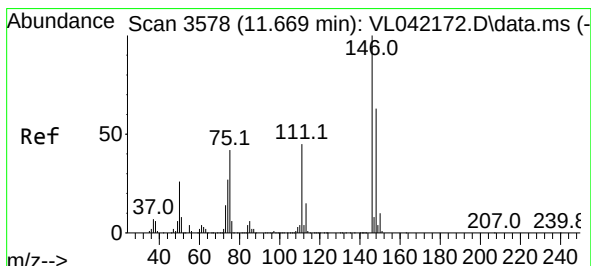
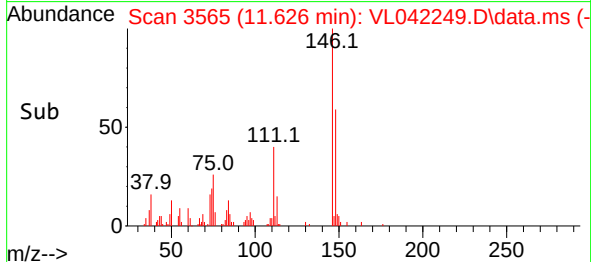
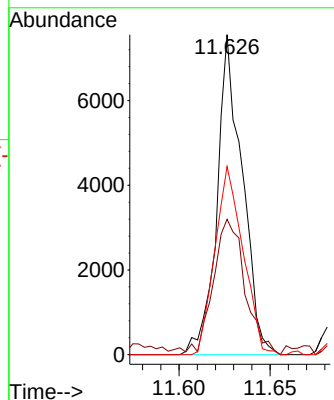
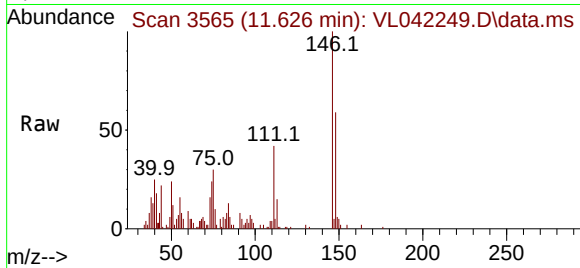




#75
1,3-Dichlorobenzene
Concen: 0.161 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. 0.023 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

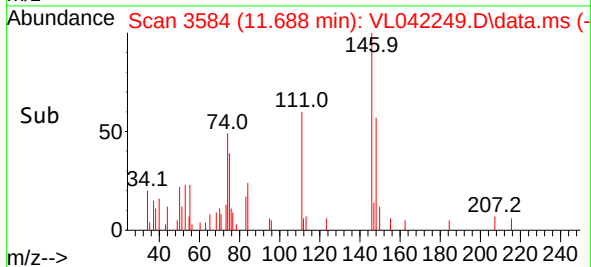
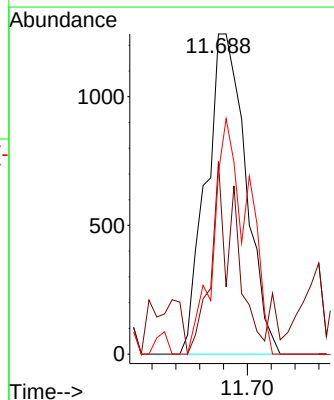
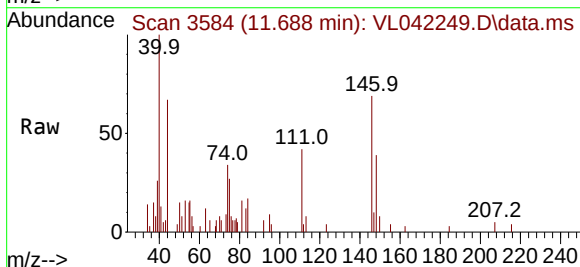
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

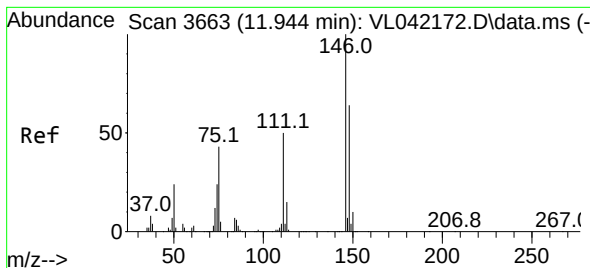
Tgt Ion:	146	Resp:	7305
Ion Ratio	Lower	Upper	
146	100		
111	56.0	23.8	71.2
148	65.5	31.9	95.9



#76
1,4-Dichlorobenzene
Concen: 0.032 ppbv
RT: 11.688 min Scan# 3584
Delta R.T. 0.019 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion:	146	Resp:	1439
Ion Ratio	Lower	Upper	
146	100		
111	53.8	23.0	69.0
148	66.3	31.9	95.7





#77

1,2-Dichlorobenzene

Concen: 0.032 ppbv

RT: 11.688 min Scan# 31

Delta R.T. -0.256 min

Lab File: VL042249.D

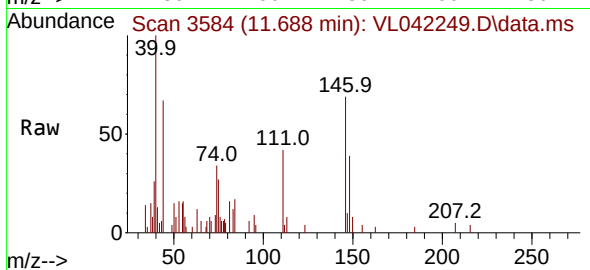
Acq: 08 Apr 2025 00:46

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B10-1-03312025-SPLIT



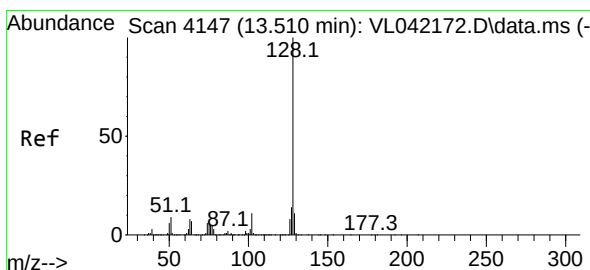
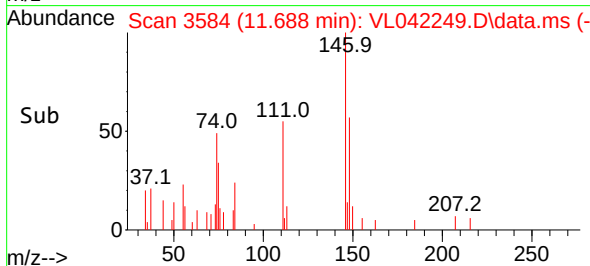
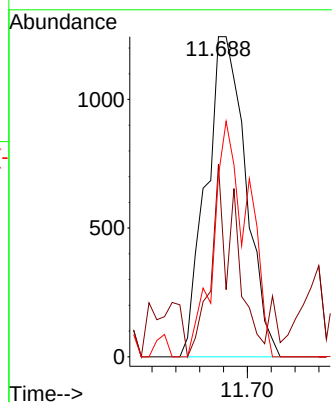
Tgt Ion:146 Resp: 1439

Ion Ratio Lower Upper

146 100

111 47.0 24.8 74.3

148 64.3 31.6 94.8



#79

Naphthalene

Concen: 0.107 ppbv

RT: 13.530 min Scan# 4153

Delta R.T. 0.019 min

Lab File: VL042249.D

Acq: 08 Apr 2025 00:46

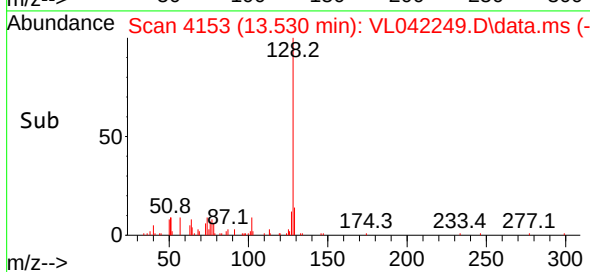
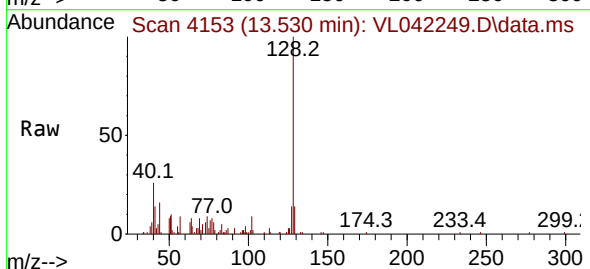
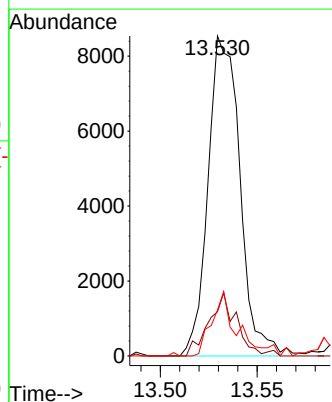
Tgt Ion:128 Resp: 9741

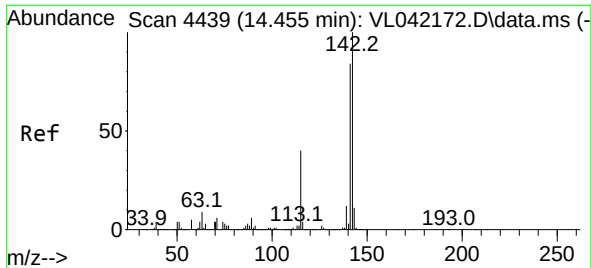
Ion Ratio Lower Upper

128 100

127 13.8 10.8 16.2

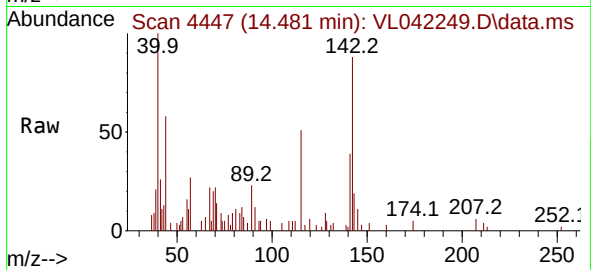
129 14.3 9.0 13.4#





#80
 Naphthalene, 2-methyl-
 Concen: 0.046 ppbv
 RT: 14.481 min Scan# 44
 Delta R.T. 0.026 min
 Lab File: VL042249.D
 Acq: 08 Apr 2025 00:46

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B10-1-03312025-SPLIT



Tgt Ion:	142	Resp:	2064
Ion	Ratio	Lower	Upper
142	100		
141	71.7	66.3	99.5
115	57.9	31.6	47.4#

