

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
 Data File : VL042423.D
 Acq On : 28 Apr 2025 13:26
 Operator : SY/MD
 Sample : Q1665-19
 Misc : 400mL/MSVOA_L
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-2-3242025

Quant Time: Apr 29 01:36:28 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	2.784	49	134276	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.953	114	394249	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	337638	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	295822	10.662	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	10922	0.460	ppbv	97
3) Chlorodifluoromethane	1.467	51	412384	18.254	ppbv #	57
4) Chloromethane	1.532	50	6178	0.658	ppbv	94
6) Bromomethane	1.671	94	139	0.032	ppbv	94
7) Chloroethane	1.467	64	20785	5.624	ppbv	98
9) Propene	1.557	41	376978	36.642	ppbv	99
10) Heptane	4.969	43	9743	0.337	ppbv #	61
11) Trichlorofluoromethane	1.875	101	5064	0.224	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.137	101	1205	0.065	ppbv #	61
13) Ethanol	1.719	45	530749	324.570	ppbv	75
15) Acetone	1.833	43	545564	24.819	ppbv #	85
16) 1,3-Butadiene	1.599	39	6851	0.652	ppbv #	9
17) tert-Butyl alcohol	2.043	59	80244	2.946	ppbv	100
19) Isopropyl Alcohol	1.884	45	390564	31.985	ppbv #	77
20) Methylene Chloride	2.059	84	7626	0.886	ppbv	89
21) Allyl Chloride	2.040	41	19768	1.302	ppbv #	67
23) Vinyl Acetate	2.454	43	51200	5.754	ppbv #	93
25) Ethyl Acetate	2.823	43	48635	0.897	ppbv #	75
26) Hexane	2.826	57	51632	2.354	ppbv #	42
27) Carbon Disulfide	2.150	76	1071	0.046	ppbv #	38
28) Methyl tert-Butyl Ether	2.441	73	751	0.052	ppbv #	48
29) Chloroform	2.842	83	1349	0.044	ppbv #	57
30) Cyclohexane	3.852	84	1658	0.094	ppbv #	1
34) 2-Butanone	2.558	43	49884	1.600	ppbv	96
35) Carbon Tetrachloride	3.762	117	1314	0.037	ppbv #	83
36) Benzene	3.655	78	19225	0.452	ppbv #	86
37) 1,2-Dichloroethane	3.215	62	11718	0.459	ppbv	97
39) 1,2-Dichloropropane	3.956	63	106631	6.729	ppbv #	23
41) Tetrahydrofuran	3.059	42	1802	0.099	ppbv #	35
44) 2,2,4-Trimethylpentane	4.632	57	25912	0.353	ppbv #	35
50) 4-Methyl-2-Pentanone	5.755	43	10827	0.209	ppbv #	45
52) Tetrachloroethene	8.215	164	561	0.034	ppbv #	70
53) Toluene	6.930	91	202018	3.959	ppbv	100
58) Ethyl Benzene	9.351	91	33321	0.498	ppbv	99
59) m/p-Xylene	9.526	91	66442	1.233	ppbv	97
60) o-Xylene	9.963	91	27079	0.499	ppbv	97
61) Styrene	9.869	104	8176	0.316	ppbv	94
62) Isopropylbenzene	10.539	105	5624	0.071	ppbv	99
64) n-propylbenzene	10.986	120	2190	0.109	ppbv	89
65) tert-Butylbenzene	11.536	119	3014	0.041	ppbv #	49
69) p-Isopropyltoluene	11.924	119	3785	0.043	ppbv #	75
72) 4-Ethyltoluene	11.118	105	3726	0.056	ppbv #	56
73) 1,3,5-Trimethylbenzene	11.203	105	8221	0.140	ppbv #	83

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
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Sample : Q1665-19
Misc : 400mL/MSVOA_L
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-3242025

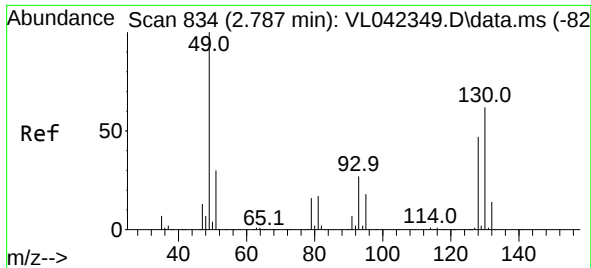
Quant Time: Apr 29 01:36:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 1,2,4-Trimethylbenzene	11.533	105	26441	0.387	ppbv	# 63

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

Quant Time: Apr 29 01:36:28 2025
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

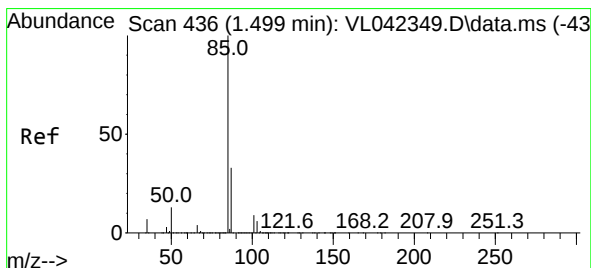
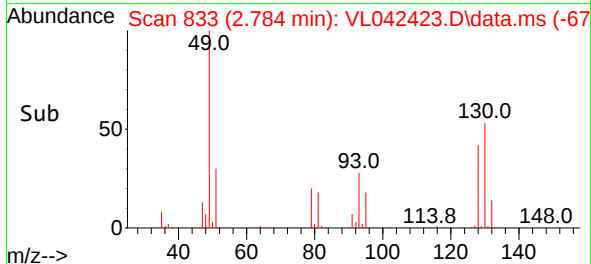
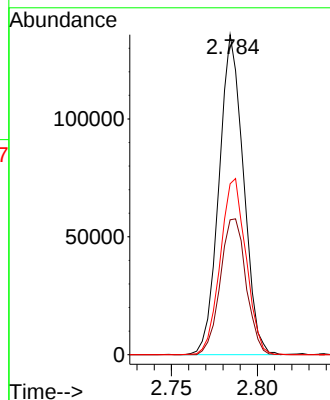
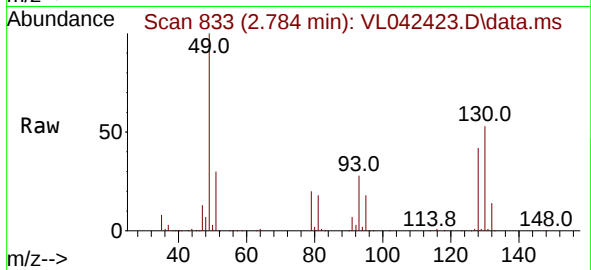




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.784 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL042423.D
 Acq: 28 Apr 2025 13:26

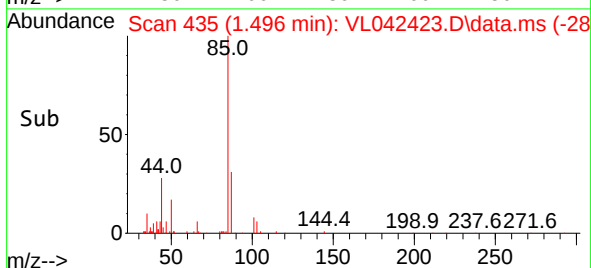
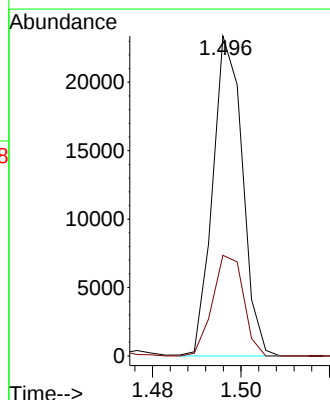
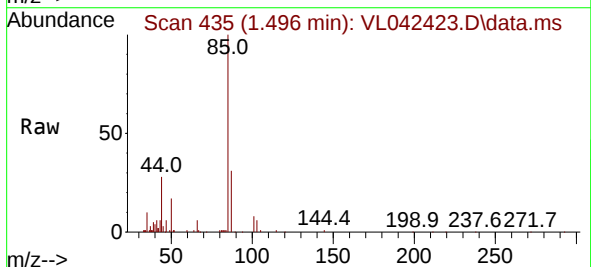
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-2-3242025

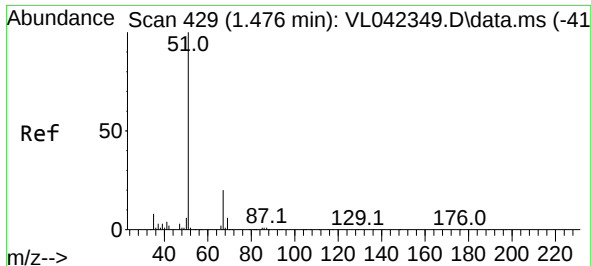
Tgt Ion: 49 Resp: 134276
 Ion Ratio Lower Upper
 49 100
 128 44.7 22.8 68.4
 130 57.8 29.3 88.0



#2
 Dichlorodifluoromethane
 Concen: 0.460 ppbv
 RT: 1.496 min Scan# 435
 Delta R.T. -0.003 min
 Lab File: VL042423.D
 Acq: 28 Apr 2025 13:26

Tgt Ion: 85 Resp: 10922
 Ion Ratio Lower Upper
 85 100
 87 31.5 26.6 39.8

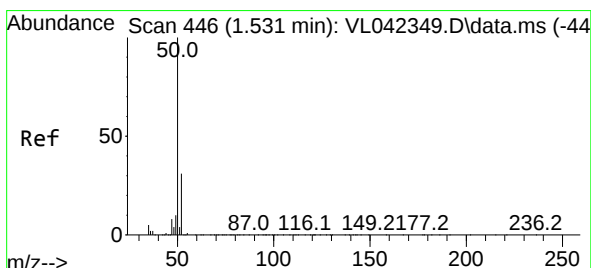
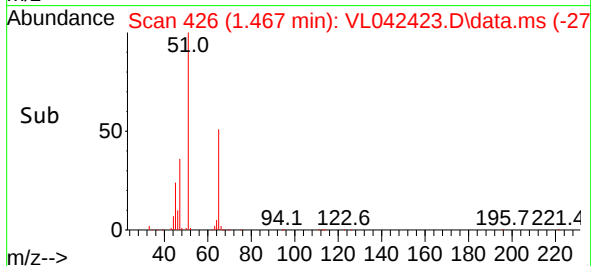
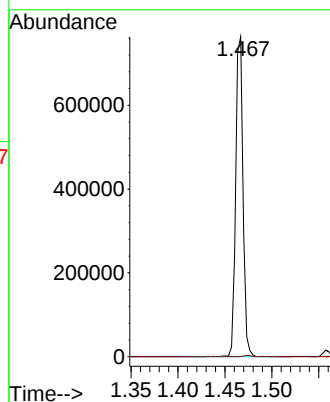
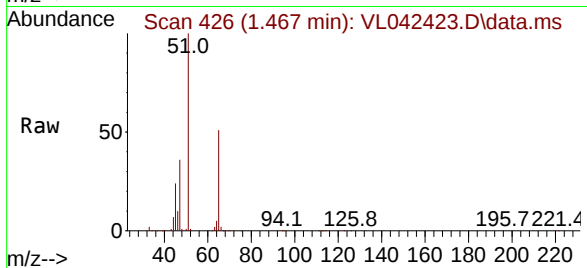




#3
Chlorodifluoromethane
Concen: 18.254 ppbv
RT: 1.467 min Scan# 41
Delta R.T. -0.009 min
Lab File: VL042423.D
Acq: 28 Apr 2025 13:26

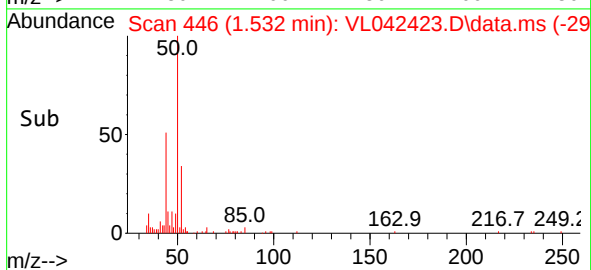
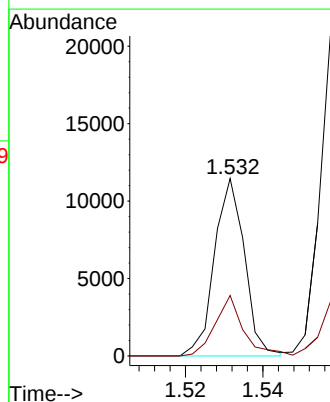
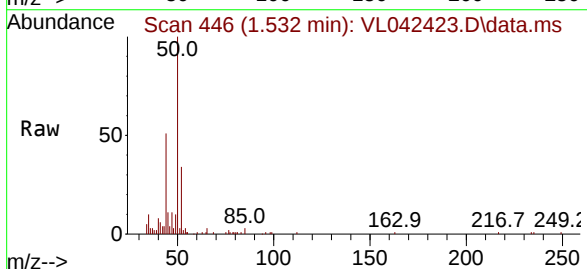
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-3242025

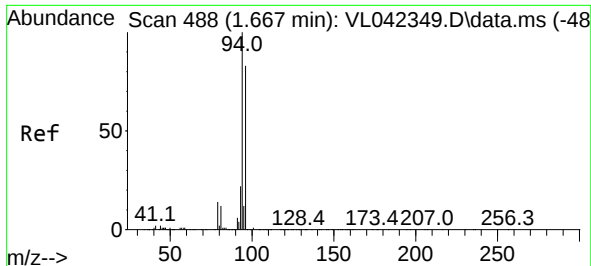
Tgt Ion: 51 Resp: 412384
Ion Ratio Lower Upper
51 100
67 0.4 16.2 24.4#



#4
Chloromethane
Concen: 0.658 ppbv
RT: 1.532 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042423.D
Acq: 28 Apr 2025 13:26

Tgt Ion: 50 Resp: 6178
Ion Ratio Lower Upper
50 100
52 34.1 24.7 37.1

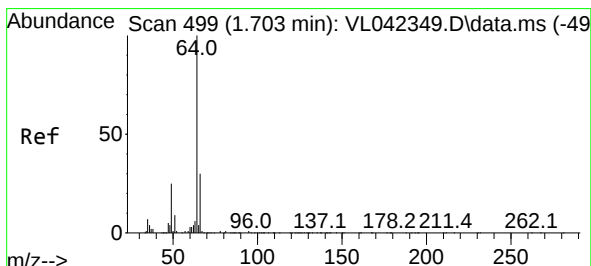
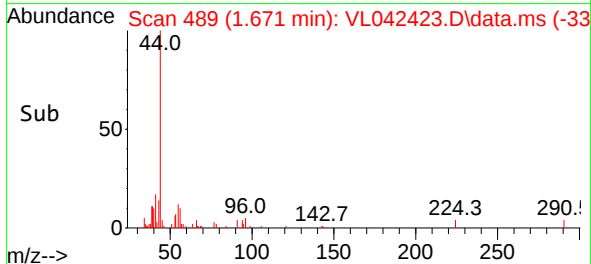
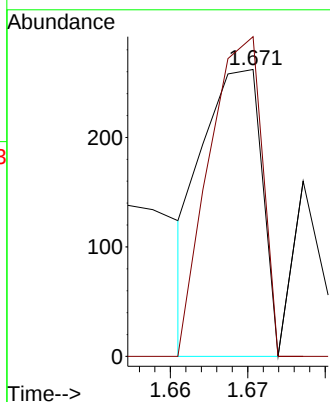
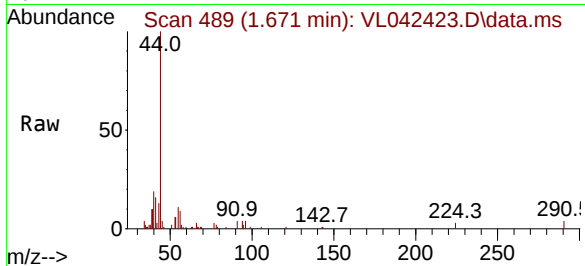




#6
Bromomethane
Concen: 0.032 ppbv
RT: 1.671 min Scan# 41
Delta R.T. 0.004 min
Lab File: VL042423.D
Acq: 28 Apr 2025 13:26

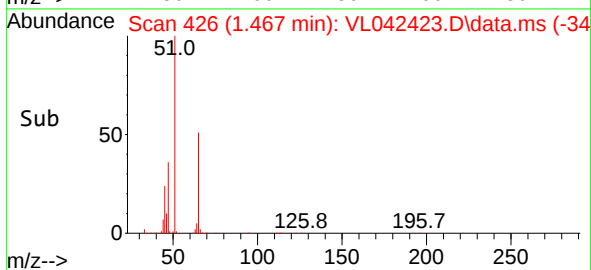
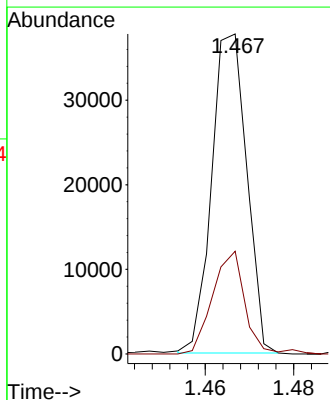
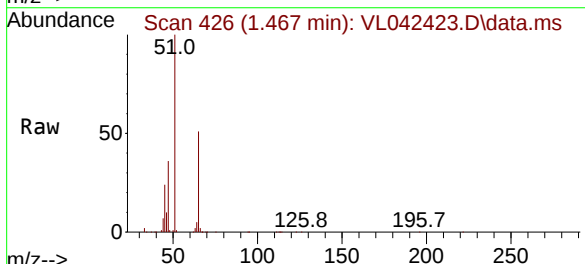
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-3242025

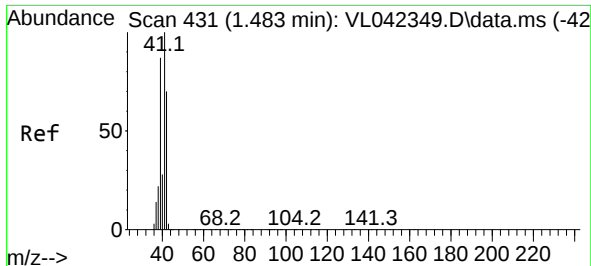
Tgt Ion: 94 Resp: 139
Ion Ratio Lower Upper
94 100
96 77.0 66.2 99.2



#7
Chloroethane
Concen: 5.624 ppbv
RT: 1.467 min Scan# 426
Delta R.T. -0.236 min
Lab File: VL042423.D
Acq: 28 Apr 2025 13:26

Tgt Ion: 64 Resp: 20785
Ion Ratio Lower Upper
64 100
66 32.1 24.6 37.0





#9

Propene

Concen: 36.642 ppbv

RT: 1.557 min Scan# 41

Delta R.T. 0.075 min

Lab File: VL042423.D

Acq: 28 Apr 2025 13:26

Instrument :

MSVOA_L

ClientSampleId :

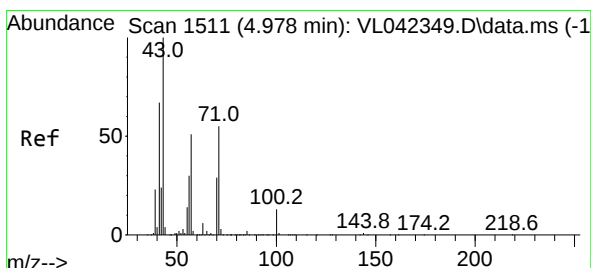
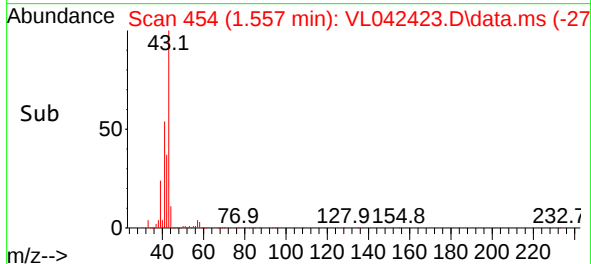
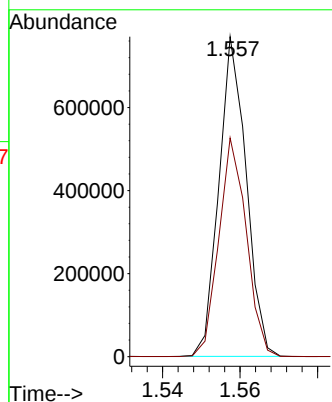
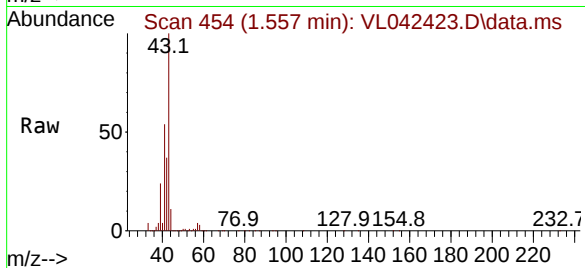
IA-B2-2-3242025

Tgt Ion: 41 Resp: 376978

Ion Ratio Lower Upper

41 100

42 69.4 56.2 84.4



#10

Heptane

Concen: 0.337 ppbv

RT: 4.969 min Scan# 1508

Delta R.T. -0.009 min

Lab File: VL042423.D

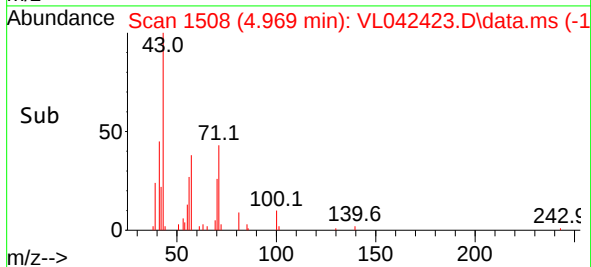
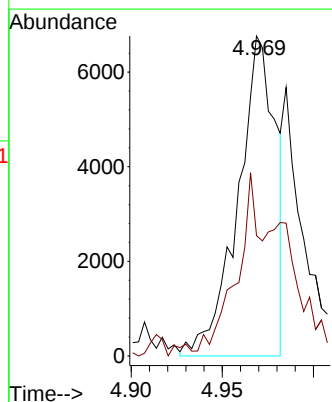
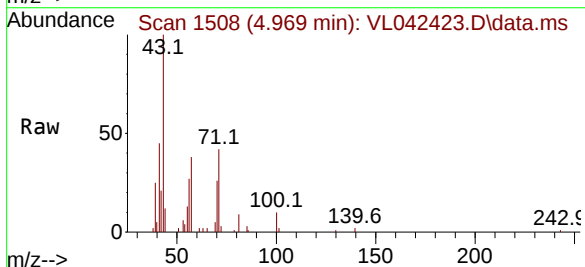
Acq: 28 Apr 2025 13:26

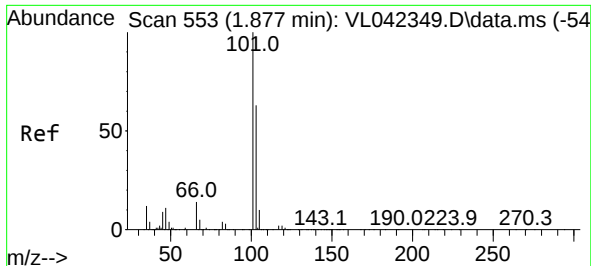
Tgt Ion: 43 Resp: 9743

Ion Ratio Lower Upper

43 100

57 77.0 39.9 59.9#

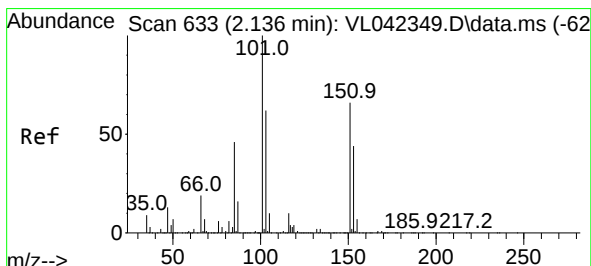
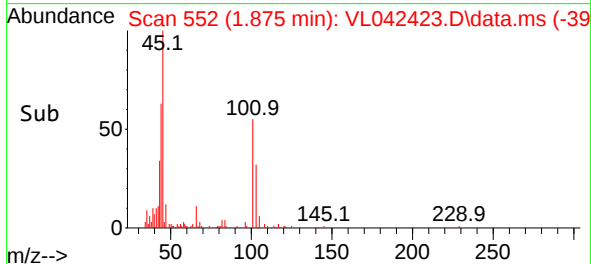
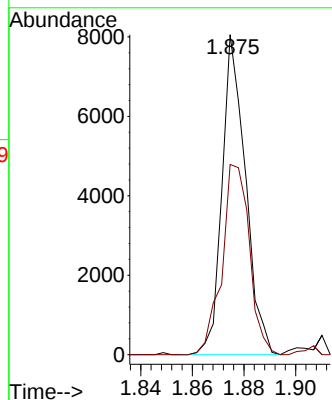
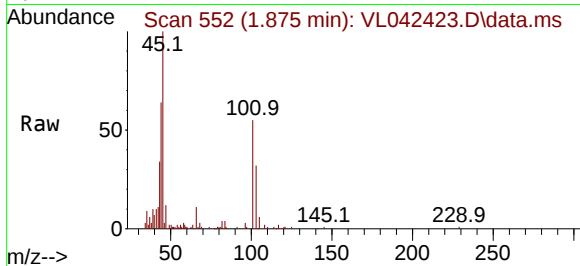




#11
 Trichlorofluoromethane
 Concen: 0.224 ppbv
 RT: 1.875 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL042423.D
 Acq: 28 Apr 2025 13:26

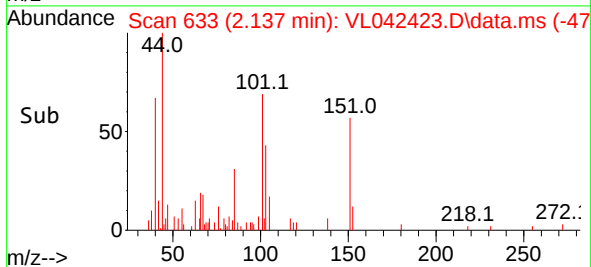
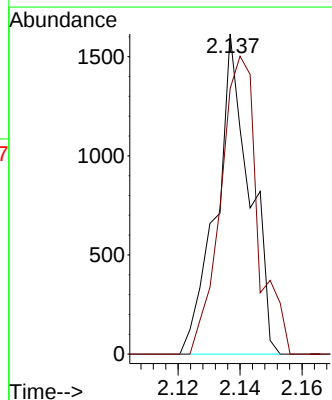
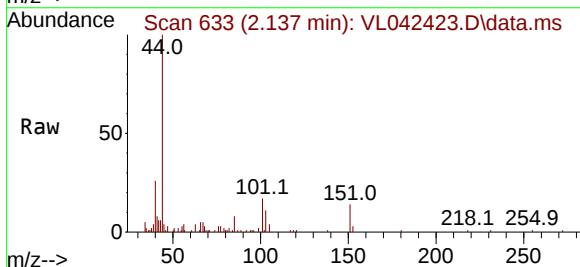
Instrument :
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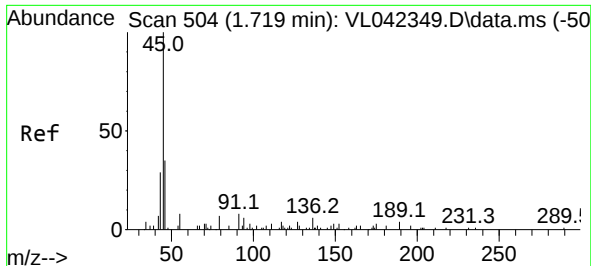
Tgt Ion:101 Resp: 5064
 Ion Ratio Lower Upper
 101 100
 103 59.4 50.1 75.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.065 ppbv
 RT: 2.137 min Scan# 633
 Delta R.T. 0.000 min
 Lab File: VL042423.D
 Acq: 28 Apr 2025 13:26

Tgt Ion:101 Resp: 1205
 Ion Ratio Lower Upper
 101 100
 151 103.7 57.0 85.6#

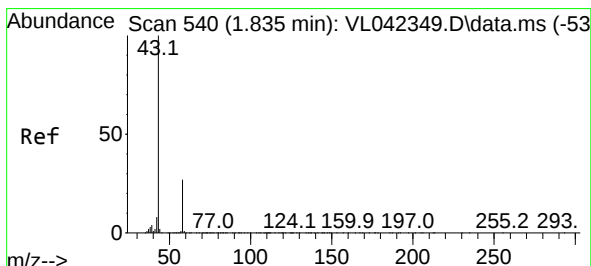
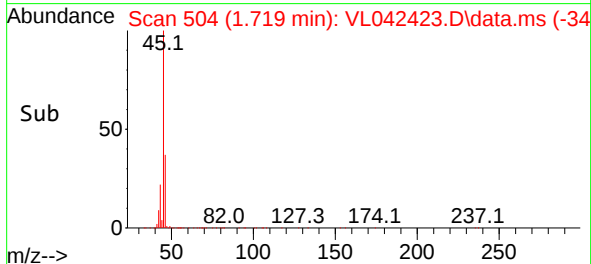
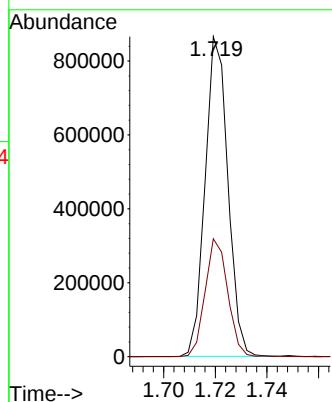
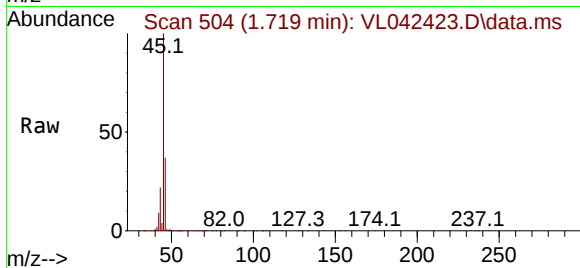




#13
Ethanol
Concen: 324.570 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042423.D
Acq: 28 Apr 2025 13:26

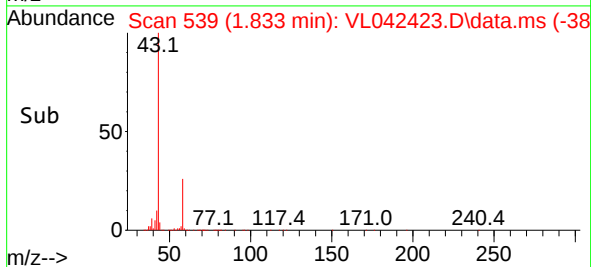
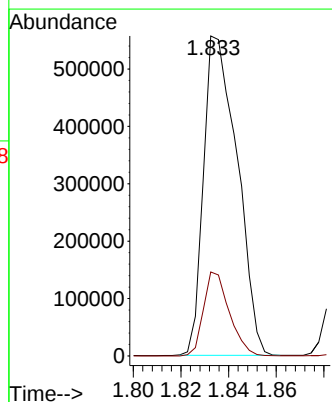
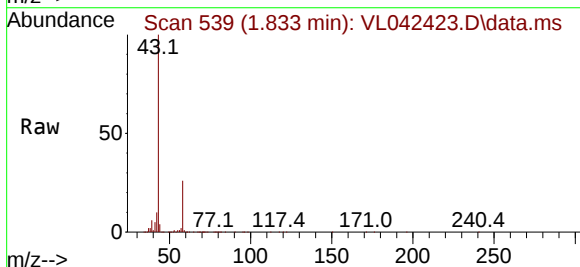
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-3242025

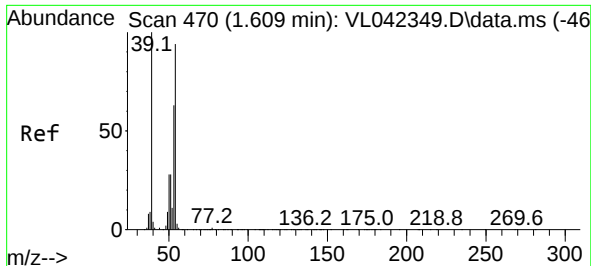
Tgt Ion: 45 Resp: 530749
Ion Ratio Lower Upper
45 100
46 36.6 21.9 87.7



#15
Acetone
Concen: 24.819 ppbv
RT: 1.833 min Scan# 539
Delta R.T. -0.003 min
Lab File: VL042423.D
Acq: 28 Apr 2025 13:26

Tgt Ion: 43 Resp: 545564
Ion Ratio Lower Upper
43 100
58 20.3 22.4 33.6#





#16

1,3-Butadiene

Concen: 0.652 ppbv

RT: 1.599 min Scan# 41

Delta R.T. -0.009 min

Lab File: VL042423.D

Acq: 28 Apr 2025 13:26

Instrument :

MSVOA_L

ClientSampleId :

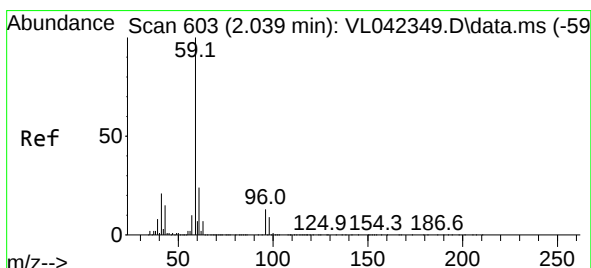
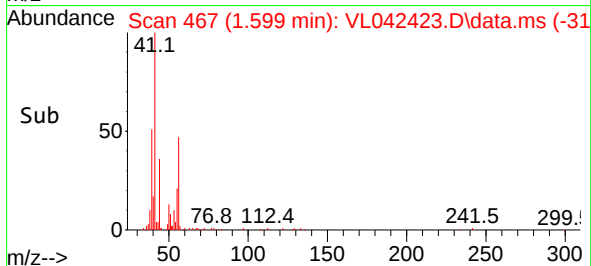
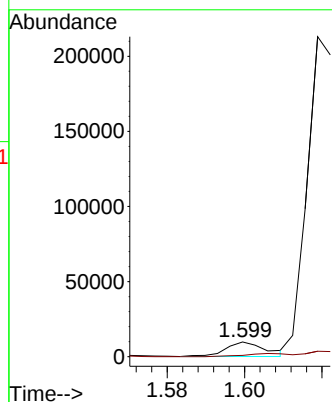
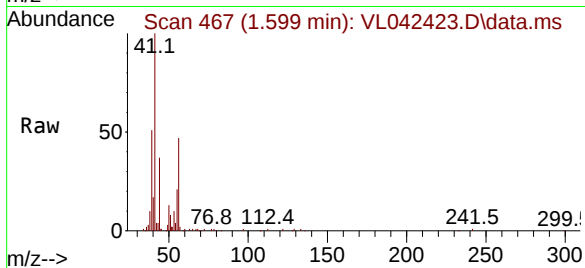
IA-B2-2-3242025

Tgt Ion: 39 Resp: 6851

Ion Ratio Lower Upper

39 100

54 0.0 64.9 97.3#



#17

tert-Butyl alcohol

Concen: 2.946 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.004 min

Lab File: VL042423.D

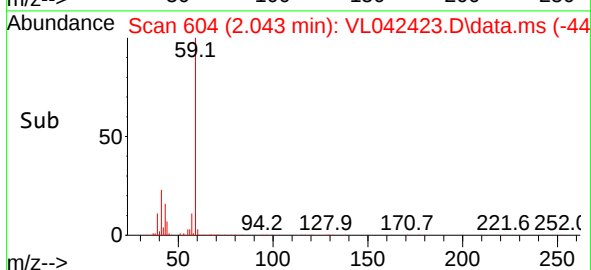
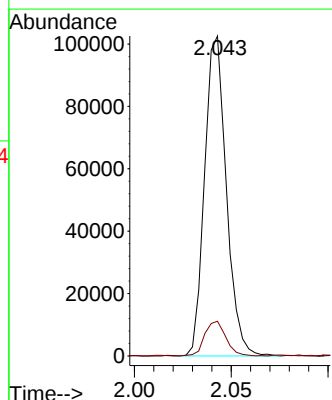
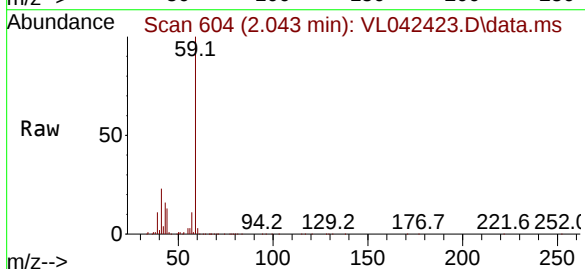
Acq: 28 Apr 2025 13:26

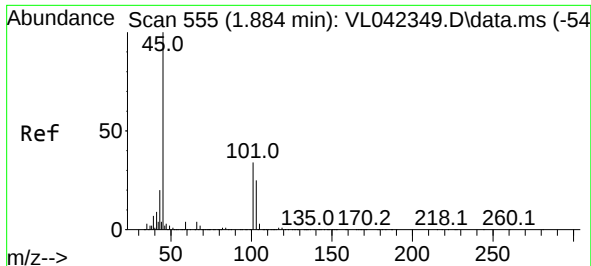
Tgt Ion: 59 Resp: 80244

Ion Ratio Lower Upper

59 100

57 11.0 8.7 13.1

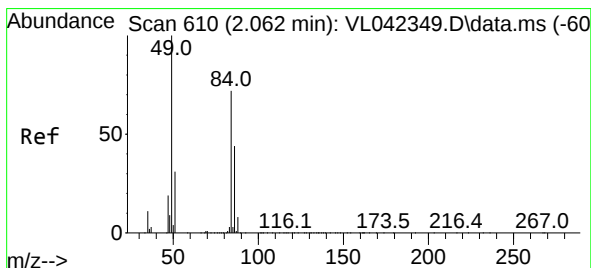
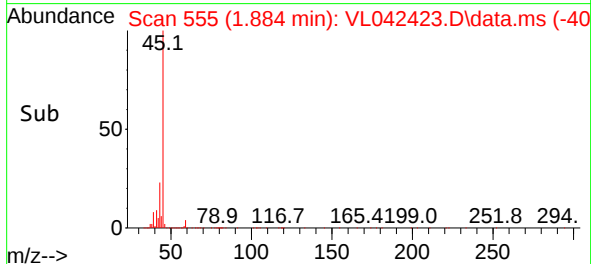
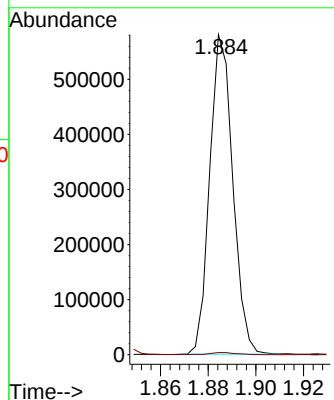
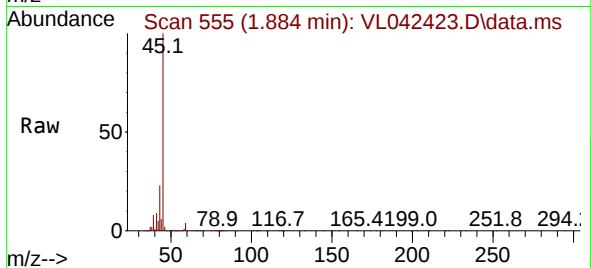




#19
Isopropyl Alcohol
Concen: 31.985 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL042423.D
Acq: 28 Apr 2025 13:26

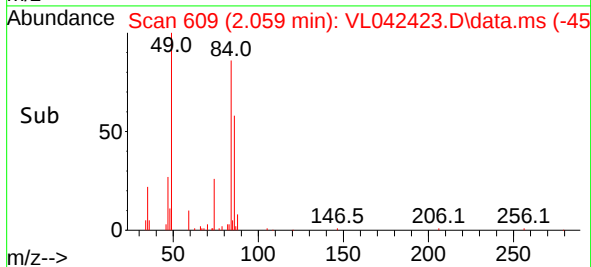
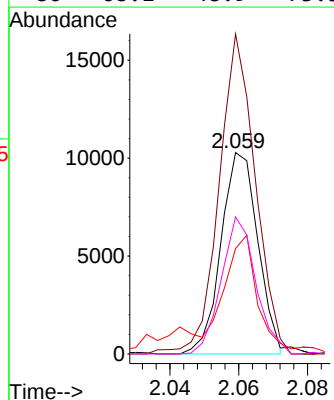
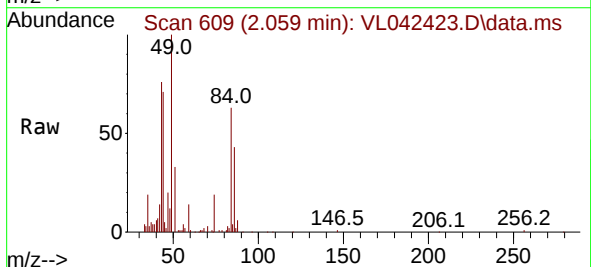
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-3242025

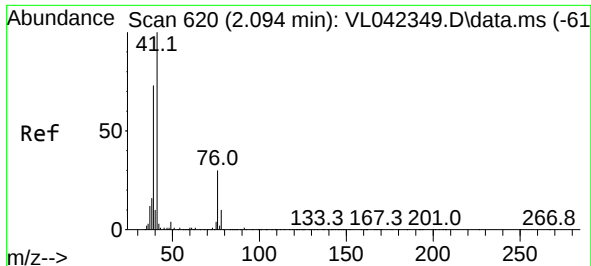
Tgt Ion: 45 Resp: 390564
Ion Ratio Lower Upper
45 100
58 28.3 34.5 51.7#



#20
Methylene Chloride
Concen: 0.886 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042423.D
Acq: 28 Apr 2025 13:26

Tgt Ion: 84 Resp: 7626
Ion Ratio Lower Upper
84 100
49 156.3 111.6 167.4
51 47.0 35.1 52.7
86 68.1 48.9 73.3

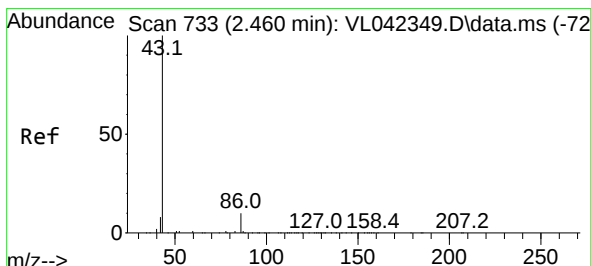
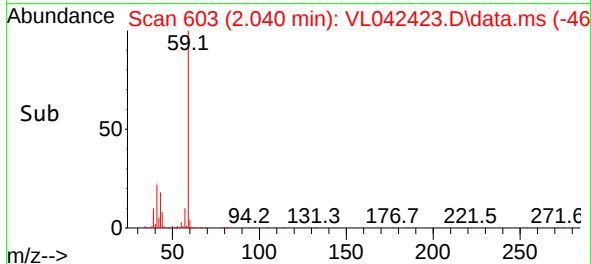
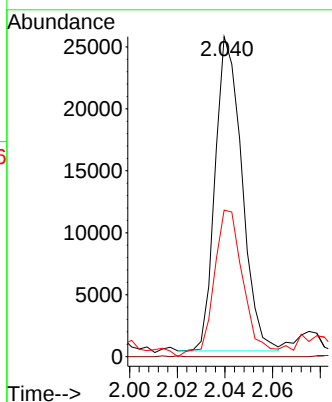
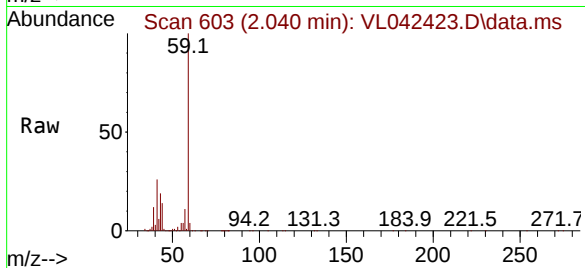




#21
 Allyl Chloride
 Concen: 1.302 ppbv
 RT: 2.040 min Scan# 60
 Delta R.T. -0.055 min
 Lab File: VL042423.D
 Acq: 28 Apr 2025 13:26

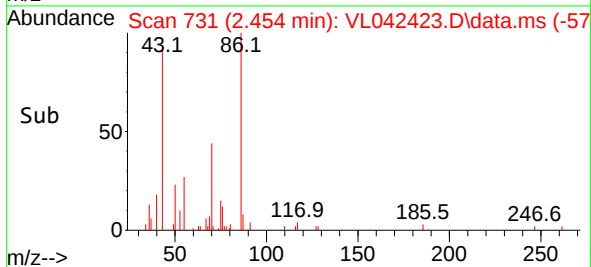
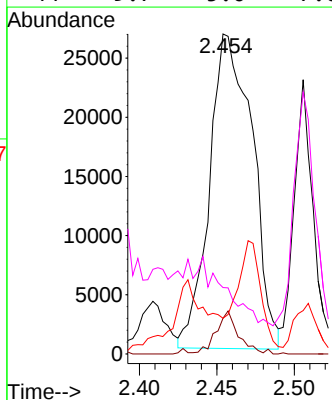
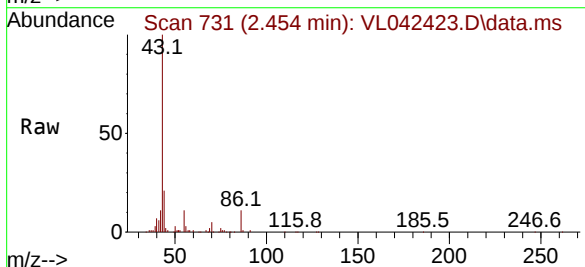
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-2-3242025

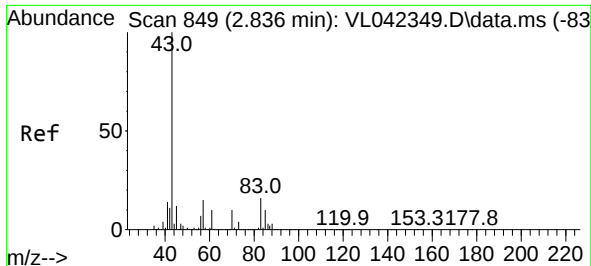
Tgt Ion: 41 Resp: 19768
 Ion Ratio Lower Upper
 41 100
 76 5.9 24.8 37.2#
 39 52.4 60.6 90.8#



#23
 Vinyl Acetate
 Concen: 5.754 ppbv
 RT: 2.454 min Scan# 731
 Delta R.T. -0.006 min
 Lab File: VL042423.D
 Acq: 28 Apr 2025 13:26

Tgt Ion: 43 Resp: 51200
 Ion Ratio Lower Upper
 43 100
 86 11.8 6.5 9.7#
 42 9.3 7.8 11.8
 44 9.7 5.0 7.6#

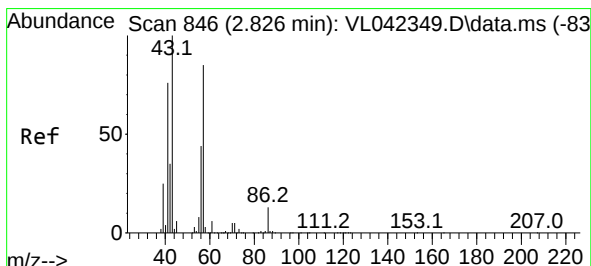
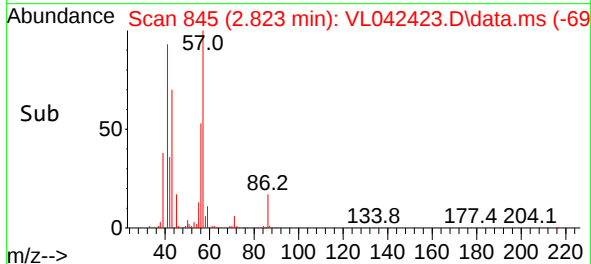
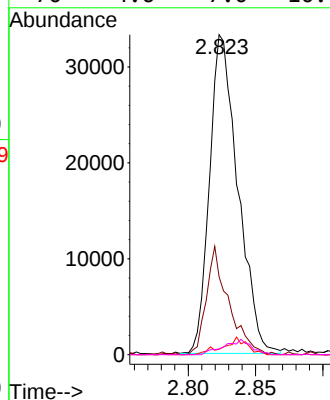
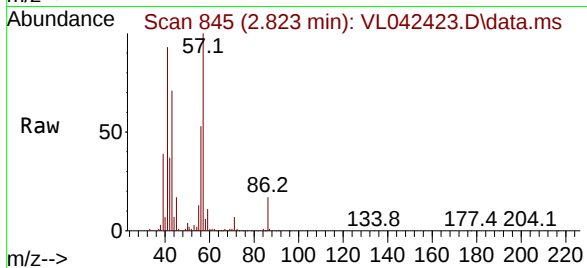




#25
Ethyl Acetate
Concen: 0.897 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.013 min
Lab File: VL042423.D
Acq: 28 Apr 2025 13:26

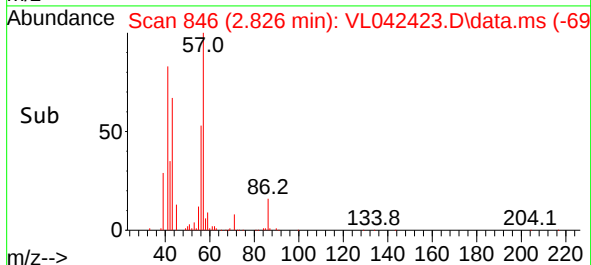
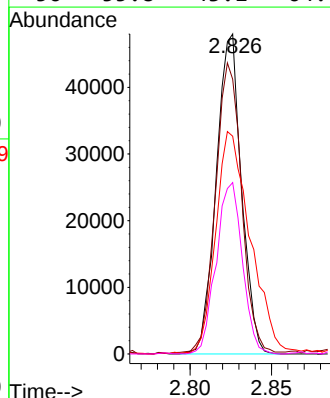
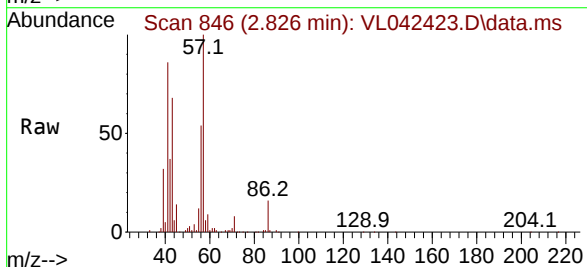
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-3242025

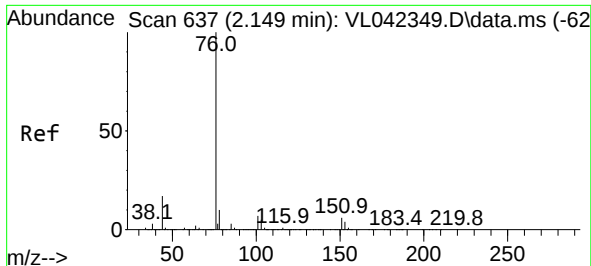
Tgt Ion: 43	Resp: 48635
Ion Ratio	Lower Upper
43 100	
45 27.5	8.3 12.5#
61 4.6	7.3 10.9#
70 4.6	7.0 10.6#



#26
Hexane
Concen: 2.354 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042423.D
Acq: 28 Apr 2025 13:26

Tgt	Ion: 57	Resp:	51632
Ion	Ratio	Lower	Upper
57	100		
41	95.5	77.9	116.9
43	97.6	208.4	312.6#
56	55.8	43.1	64.7

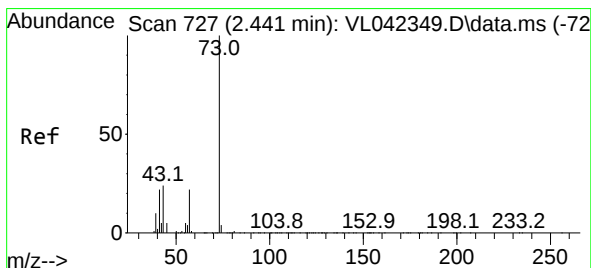
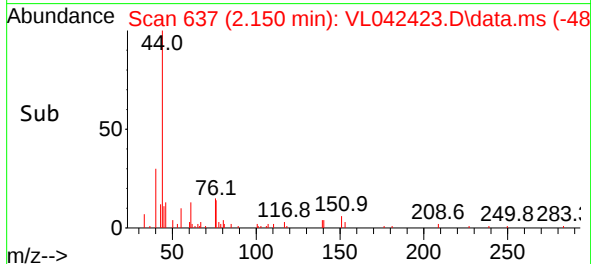
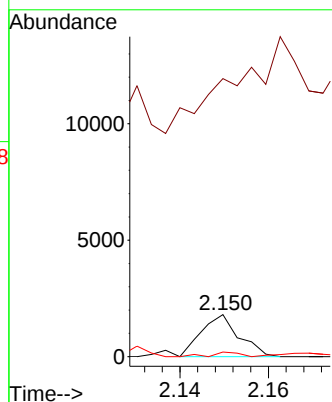
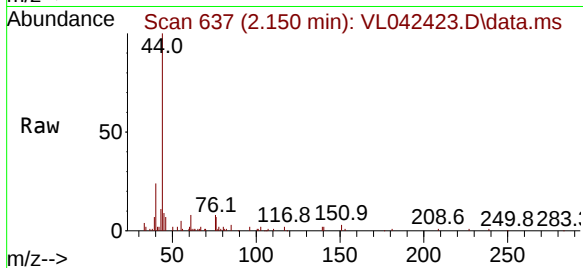




#27
Carbon Disulfide
Concen: 0.046 ppbv
RT: 2.150 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042423.D
Acq: 28 Apr 2025 13:26

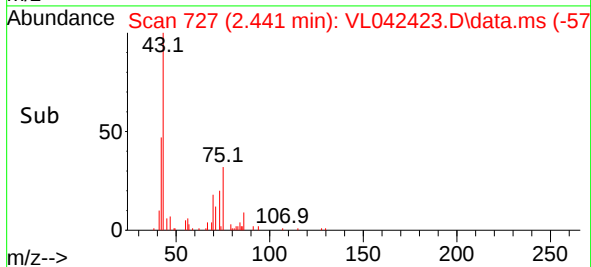
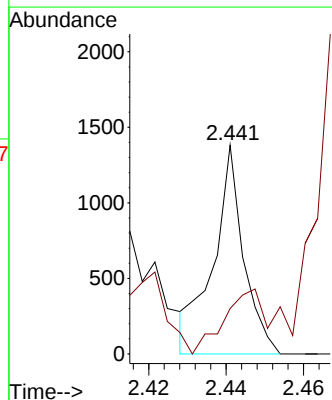
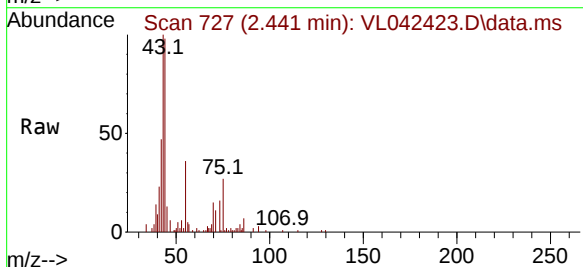
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-3242025

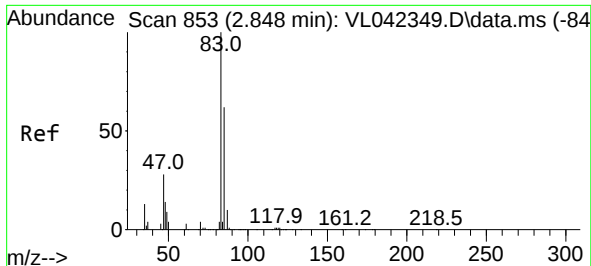
Tgt Ion: 76 Resp: 1071
Ion Ratio Lower Upper
76 100
44 0.0 15.5 23.3#
78 48.4 9.3 13.9#



#28
Methyl tert-Butyl Ether
Concen: 0.052 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.000 min
Lab File: VL042423.D
Acq: 28 Apr 2025 13:26

Tgt Ion: 73 Resp: 751
Ion Ratio Lower Upper
73 100
57 0.0 21.3 31.9#





#29

Chloroform

Concen: 0.044 ppbv

RT: 2.842 min Scan# 81

Delta R.T. -0.006 min

Lab File: VL042423.D

Acq: 28 Apr 2025 13:26

Instrument :

MSVOA_L

ClientSampleId :

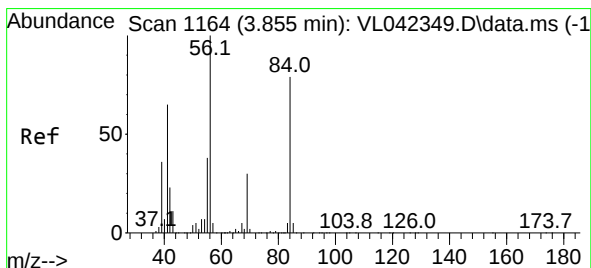
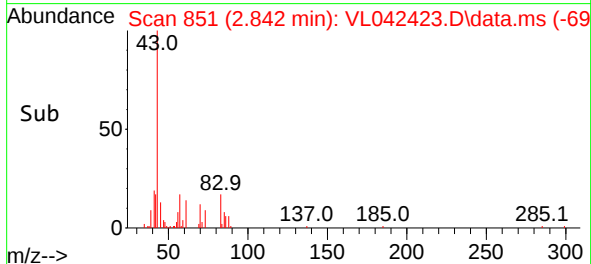
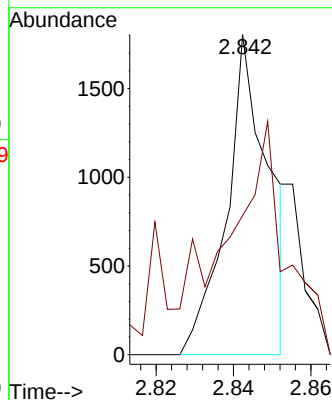
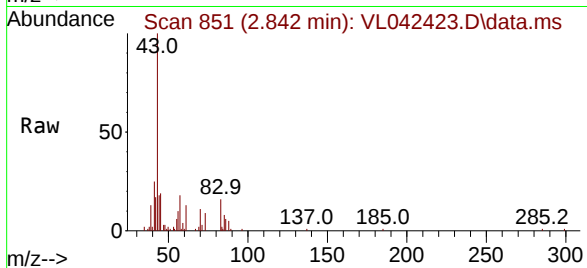
IA-B2-2-3242025

Tgt Ion: 83 Resp: 1349

Ion Ratio Lower Upper

83 100

85 29.2 50.0 75.0#



#30

Cyclohexane

Concen: 0.094 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. -0.003 min

Lab File: VL042423.D

Acq: 28 Apr 2025 13:26

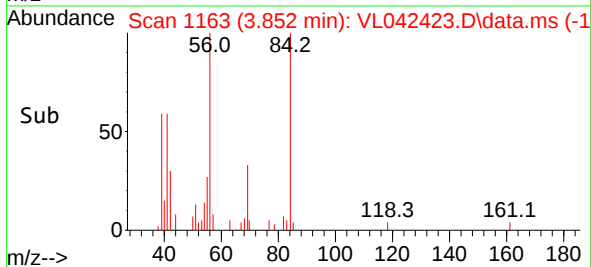
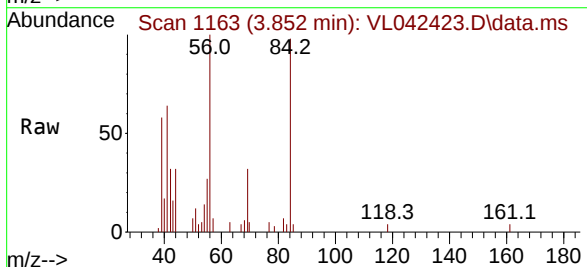
Tgt Ion: 84 Resp: 1658

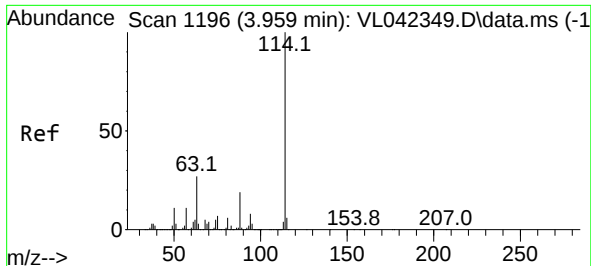
Ion Ratio Lower Upper

84 100

56 333.9 101.0 151.4#

41 230.3 67.4 101.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.953 min Scan# 1194

Delta R.T. -0.006 min

Lab File: VL042423.D

Acq: 28 Apr 2025 13:26

Instrument :

MSVOA_L

ClientSampleId :

IA-B2-2-3242025

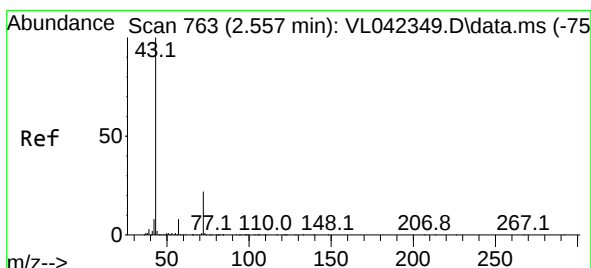
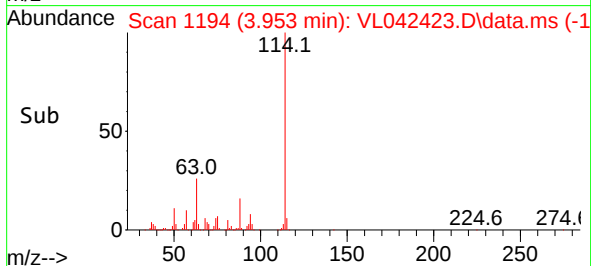
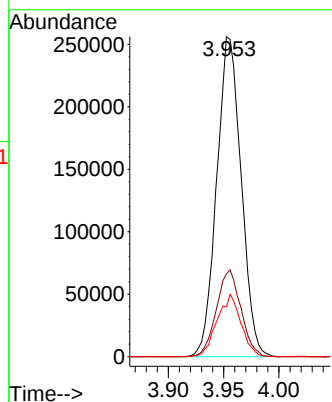
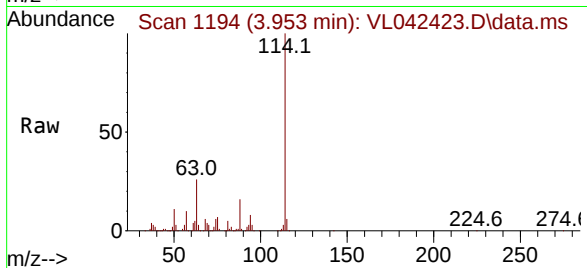
Tgt Ion:114 Resp: 394249

Ion Ratio Lower Upper

114 100

63 27.1 21.8 32.6

88 19.0 15.5 23.3



#34

2-Butanone

Concen: 1.600 ppbv

RT: 2.558 min Scan# 763

Delta R.T. 0.000 min

Lab File: VL042423.D

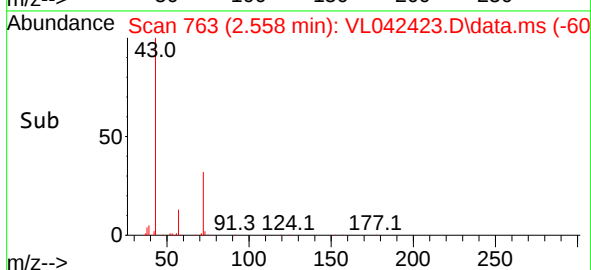
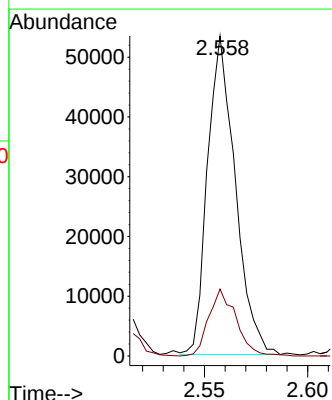
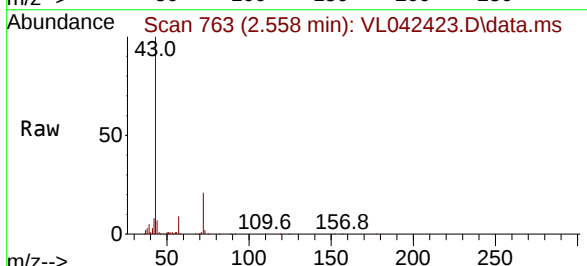
Acq: 28 Apr 2025 13:26

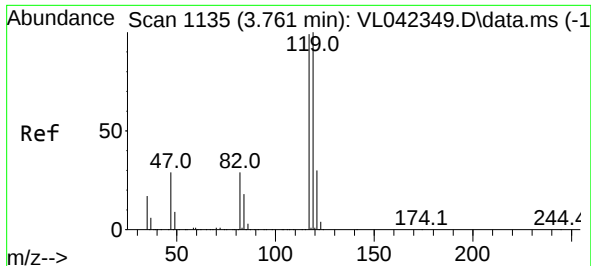
Tgt Ion: 43 Resp: 49884

Ion Ratio Lower Upper

43 100

72 20.7 18.2 27.2

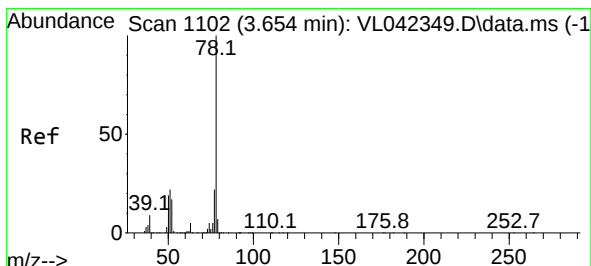
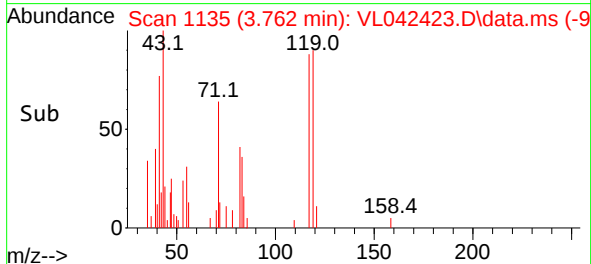
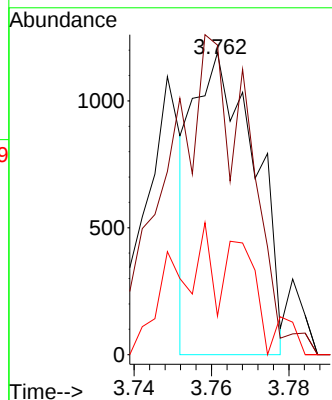
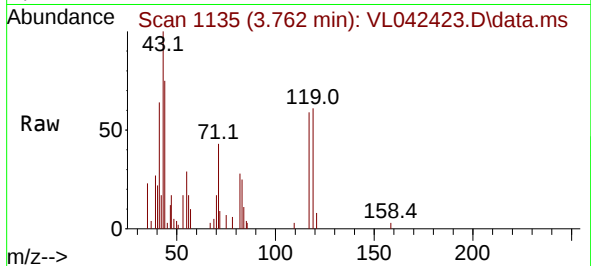




#35
Carbon Tetrachloride
Concen: 0.037 ppbv
RT: 3.762 min Scan# 1135
Delta R.T. 0.000 min
Lab File: VL042423.D
Acq: 28 Apr 2025 13:26

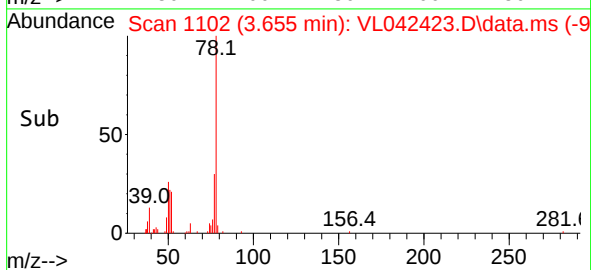
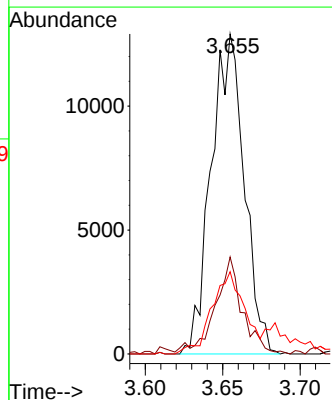
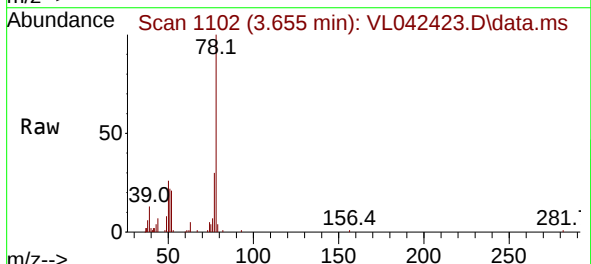
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-3242025

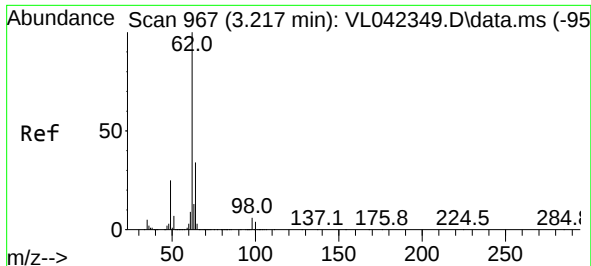
Tgt Ion: 117 Resp: 1314
Ion Ratio Lower Upper
117 100
119 106.2 80.5 120.7
121 0.3 24.2 36.2#



#36
Benzene
Concen: 0.452 ppbv
RT: 3.655 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042423.D
Acq: 28 Apr 2025 13:26

Tgt Ion: 78 Resp: 19225
Ion Ratio Lower Upper
78 100
77 29.4 17.4 26.0#
50 24.8 15.5 23.3#





#37

1,2-Dichloroethane

Concen: 0.459 ppbv

RT: 3.215 min Scan# 91

Delta R.T. -0.003 min

Lab File: VL042423.D

Acq: 28 Apr 2025 13:26

Instrument :

MSVOA_L

ClientSampleId :

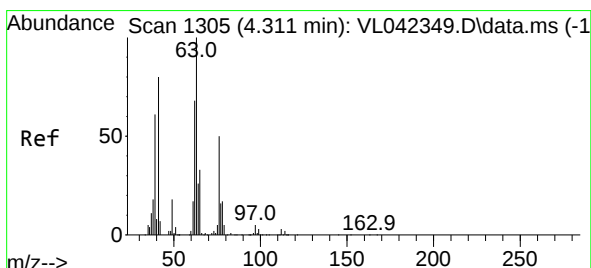
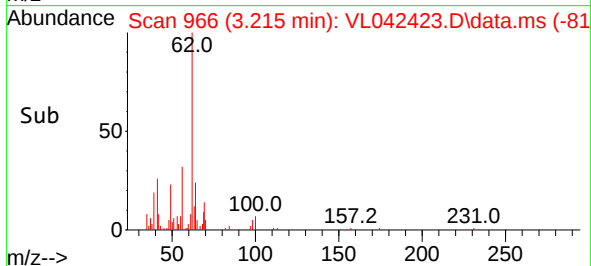
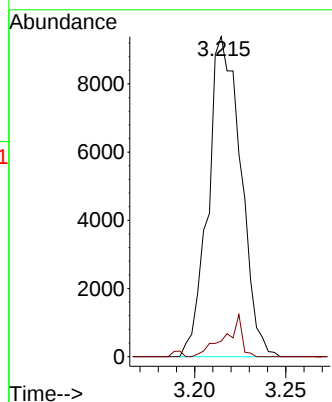
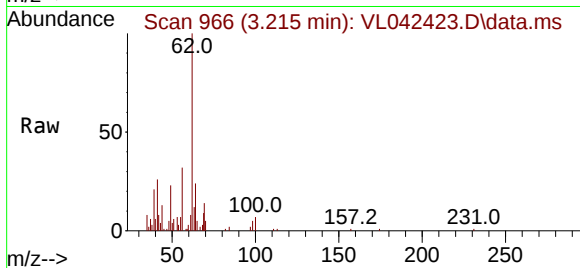
IA-B2-2-3242025

Tgt Ion: 62 Resp: 11718

Ion Ratio Lower Upper

62 100

98 7.4 5.1 7.7



#39

1,2-Dichloropropane

Concen: 6.729 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. -0.356 min

Lab File: VL042423.D

Acq: 28 Apr 2025 13:26

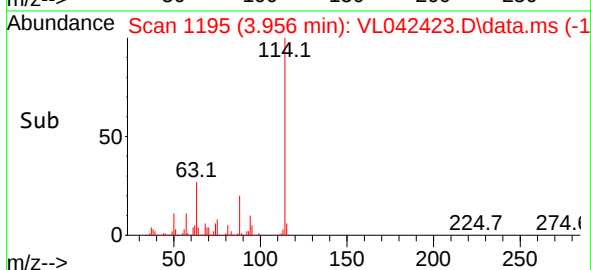
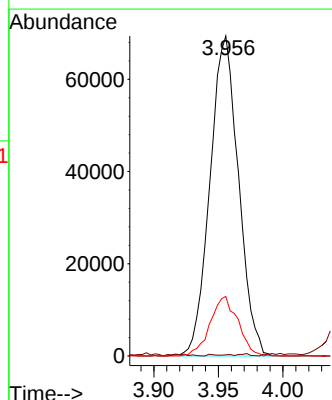
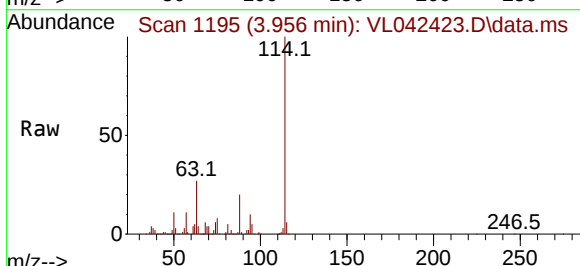
Tgt Ion: 63 Resp: 106631

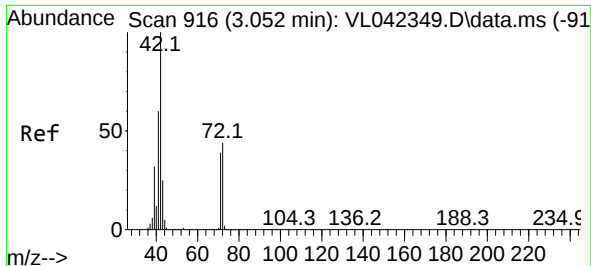
Ion Ratio Lower Upper

63 100

41 0.0 64.2 96.2#

62 18.6 54.3 81.5#

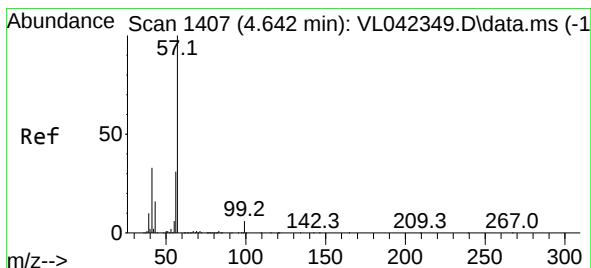
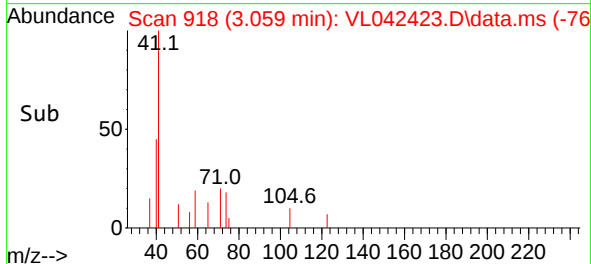
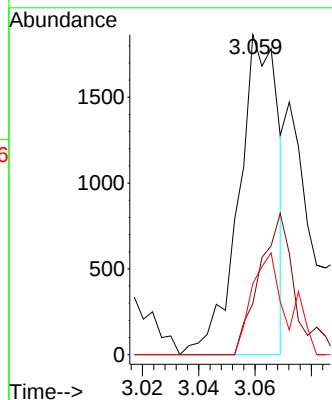
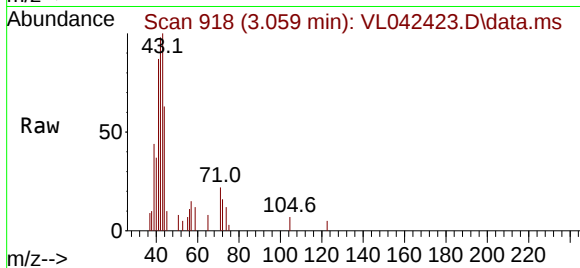




#41
Tetrahydrofuran
Concen: 0.099 ppbv
RT: 3.059 min Scan# 916
Delta R.T. 0.007 min
Lab File: VL042423.D
Acq: 28 Apr 2025 13:26

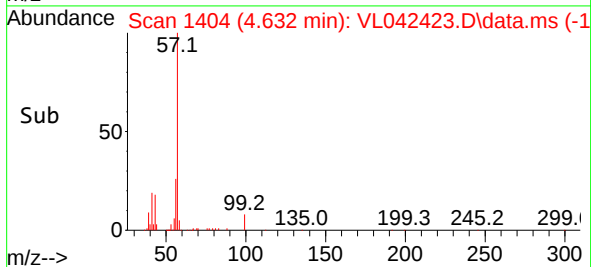
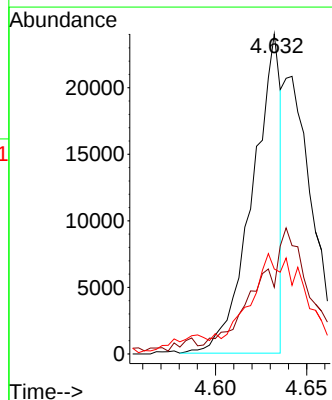
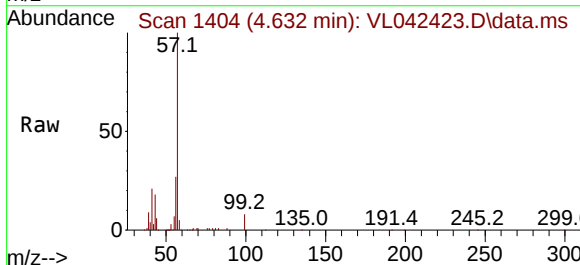
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-3242025

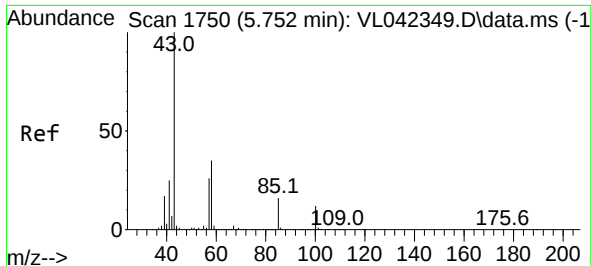
Tgt Ion: 42 Resp: 1802
Ion Ratio Lower Upper
42 100
72 0.0 32.3 48.5#
71 0.0 31.4 47.2#



#44
2,2,4-Trimethylpentane
Concen: 0.353 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.009 min
Lab File: VL042423.D
Acq: 28 Apr 2025 13:26

Tgt Ion: 57 Resp: 25912
Ion Ratio Lower Upper
57 100
41 0.0 27.2 40.8#
56 72.0 25.7 38.5#

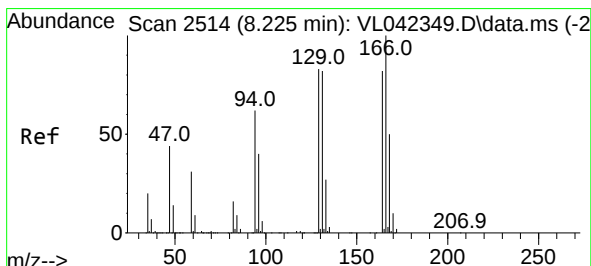
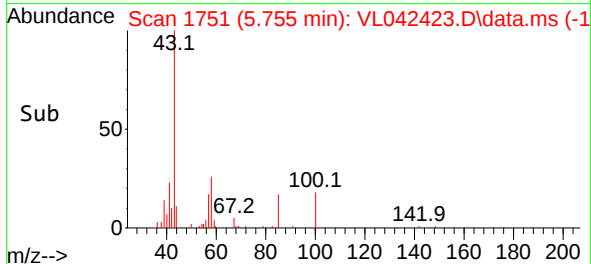
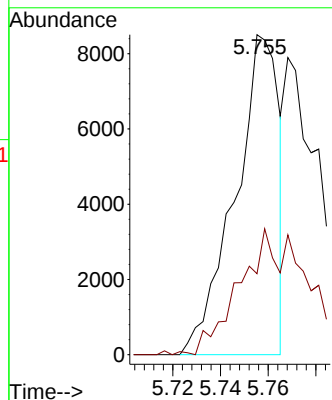
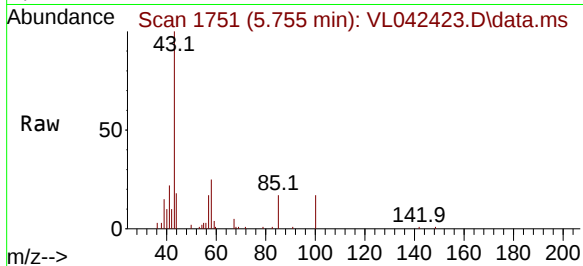




#50
 4-Methyl-2-Pentanone
 Concen: 0.209 ppbv
 RT: 5.755 min Scan# 1751
 Delta R.T. 0.004 min
 Lab File: VL042423.D
 Acq: 28 Apr 2025 13:26

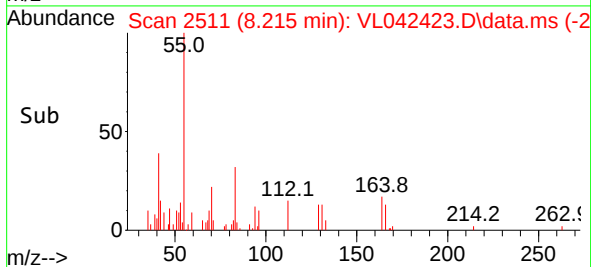
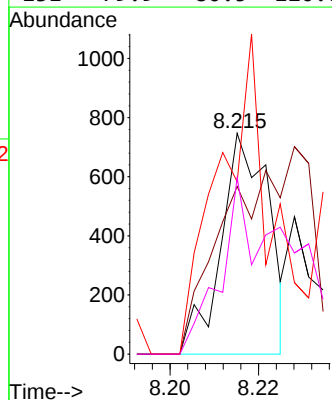
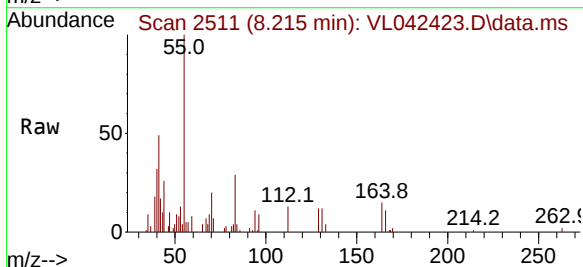
Instrument : MSVOA_L
 ClientSampleId : IA-B2-2-3242025

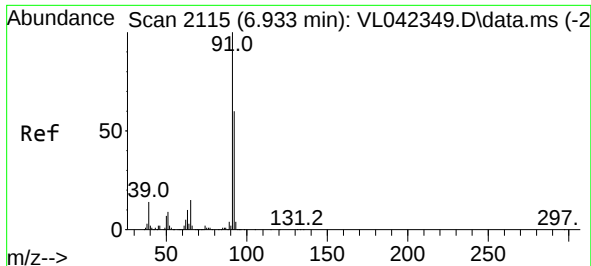
Tgt Ion: 43 Resp: 10827
 Ion Ratio Lower Upper
 43 100
 58 68.1 28.6 43.0#



#52
 Tetrachloroethene
 Concen: 0.034 ppbv
 RT: 8.215 min Scan# 2511
 Delta R.T. -0.009 min
 Lab File: VL042423.D
 Acq: 28 Apr 2025 13:26

Tgt Ion: 164 Resp: 561
 Ion Ratio Lower Upper
 164 100
 166 75.9 98.2 147.2#
 129 78.0 81.8 122.8#
 131 79.9 80.5 120.7#

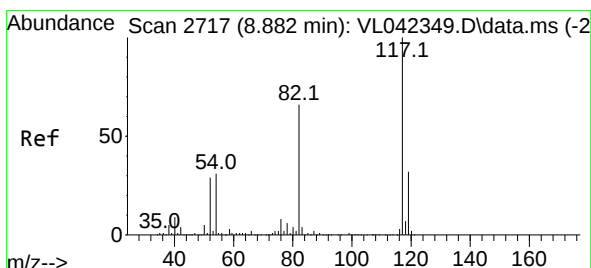
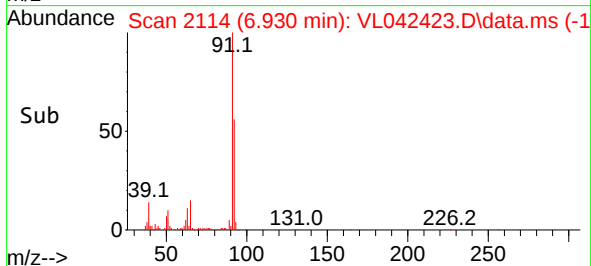
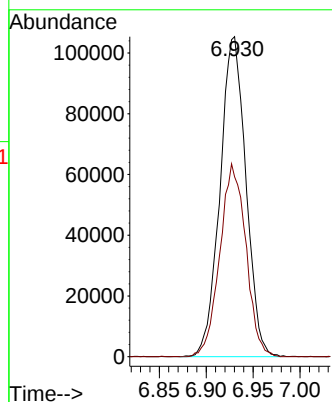
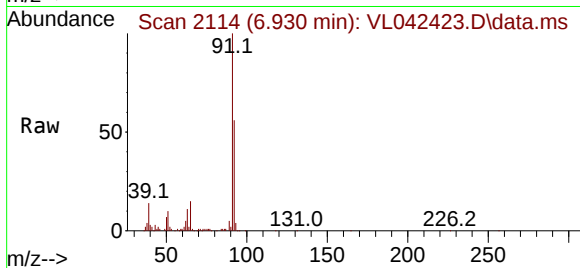




#53
Toluene
Concen: 3.959 ppbv
RT: 6.930 min Scan# 2115
Delta R.T. -0.003 min
Lab File: VL042423.D
Acq: 28 Apr 2025 13:26

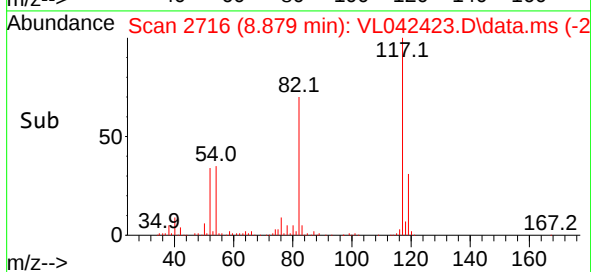
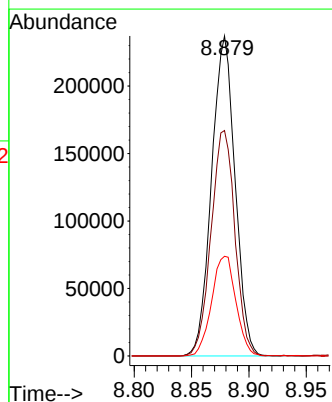
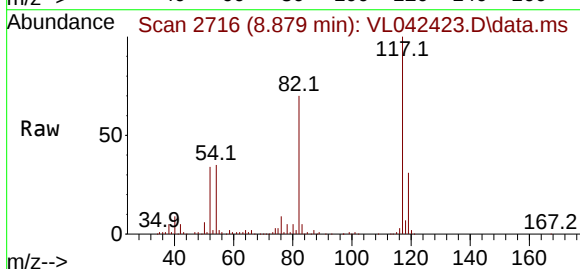
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-3242025

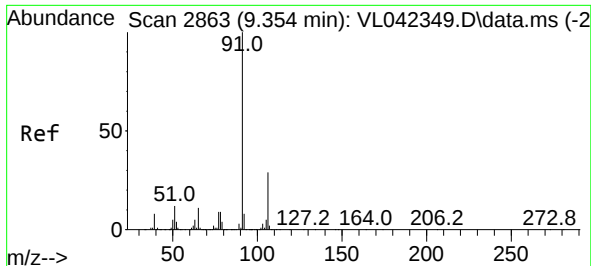
Tgt Ion: 91 Resp: 202018
Ion Ratio Lower Upper
91 100
92 60.6 48.2 72.4



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 2716
Delta R.T. -0.003 min
Lab File: VL042423.D
Acq: 28 Apr 2025 13:26

Tgt Ion: 117 Resp: 337638
Ion Ratio Lower Upper
117 100
82 71.5 57.8 86.6
119 32.3 25.2 37.8

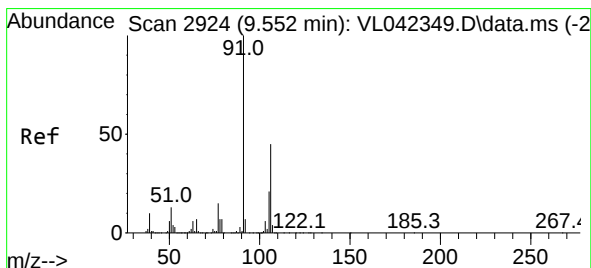
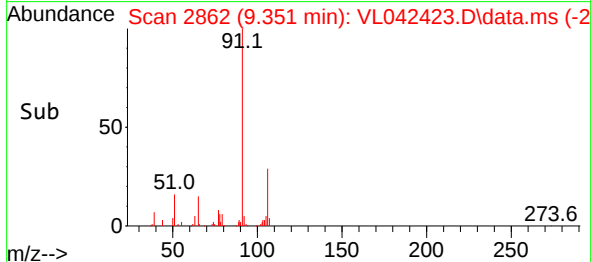
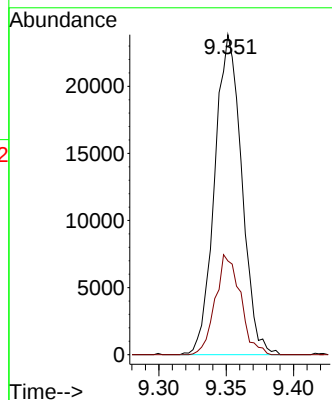
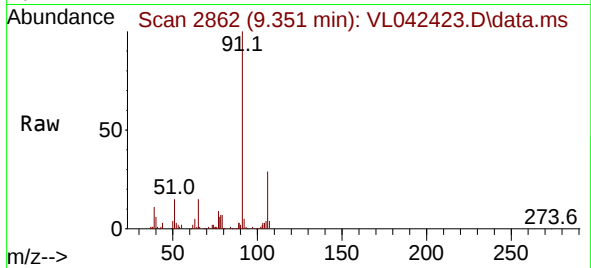




#58
Ethyl Benzene
Concen: 0.498 ppbv
RT: 9.351 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042423.D
Acq: 28 Apr 2025 13:26

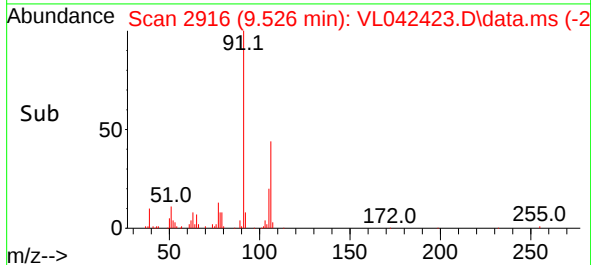
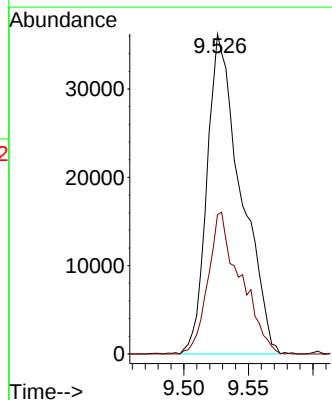
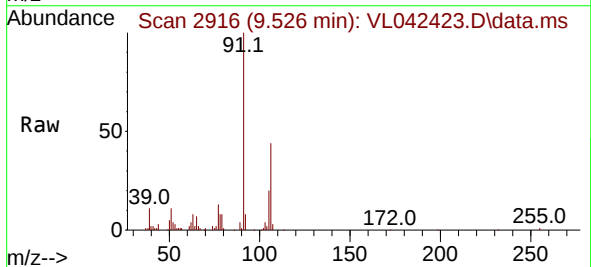
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-3242025

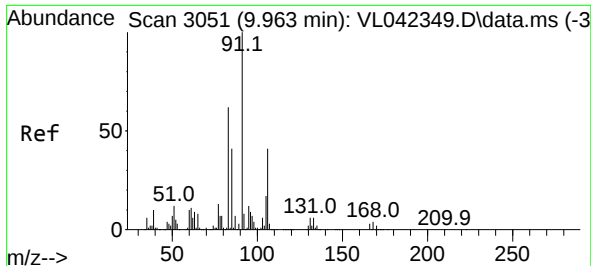
Tgt Ion: 91 Resp: 33321
Ion Ratio Lower Upper
91 100
106 29.3 23.0 34.4



#59
m/p-Xylene
Concen: 1.233 ppbv
RT: 9.526 min Scan# 2916
Delta R.T. -0.026 min
Lab File: VL042423.D
Acq: 28 Apr 2025 13:26

Tgt Ion: 91 Resp: 66442
Ion Ratio Lower Upper
91 100
106 42.5 35.4 53.2

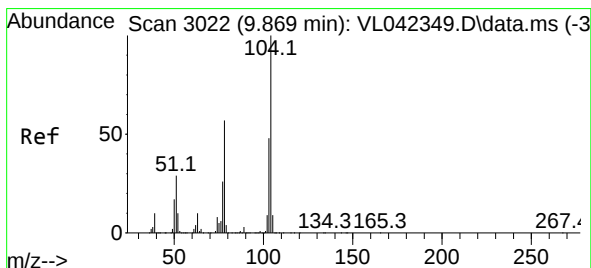
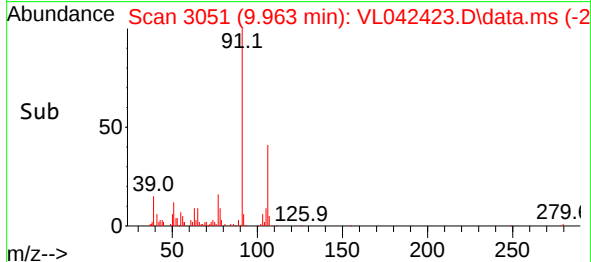
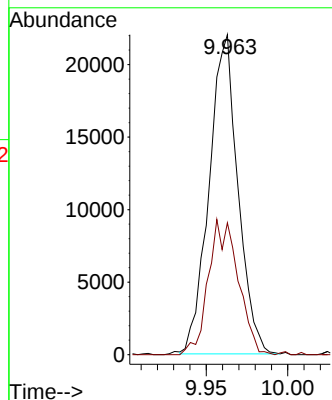
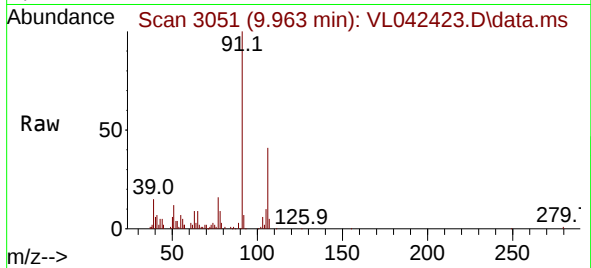




#60
o-Xylene
Concen: 0.499 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042423.D
Acq: 28 Apr 2025 13:26

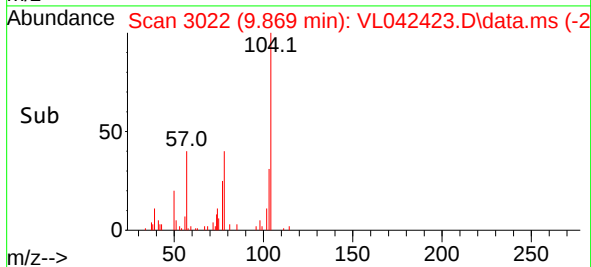
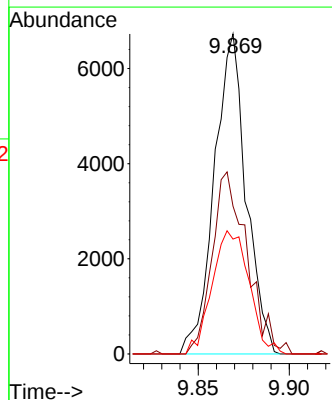
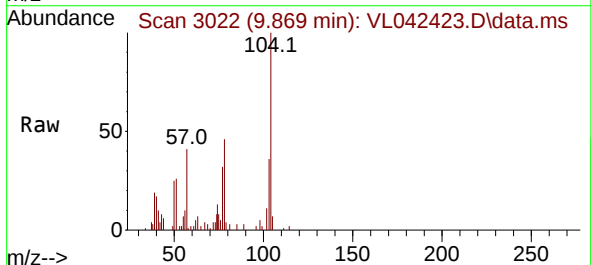
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-3242025

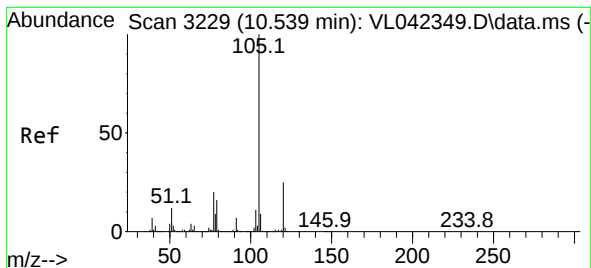
Tgt Ion: 91 Resp: 27079
Ion Ratio Lower Upper
91 100
106 43.9 21.1 63.4



#61
Styrene
Concen: 0.316 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. 0.000 min
Lab File: VL042423.D
Acq: 28 Apr 2025 13:26

Tgt Ion: 104 Resp: 8176
Ion Ratio Lower Upper
104 100
78 62.6 44.6 66.8
103 44.8 37.4 56.0





#62

Isopropylbenzene

Concen: 0.071 ppbv

RT: 10.539 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL042423.D

Acq: 28 Apr 2025 13:26

Instrument :

MSVOA_L

ClientSampleId :

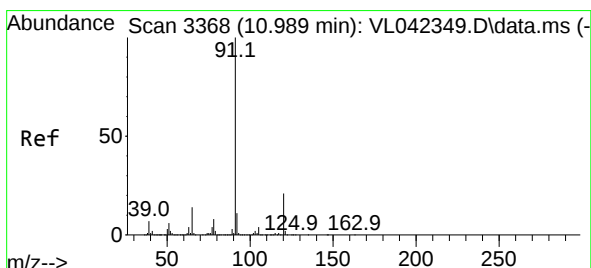
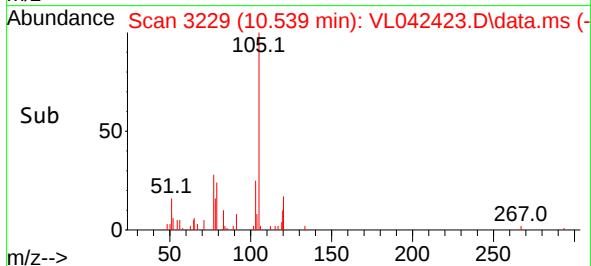
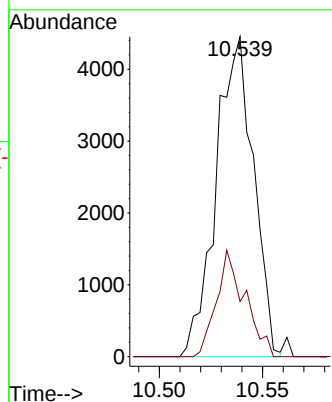
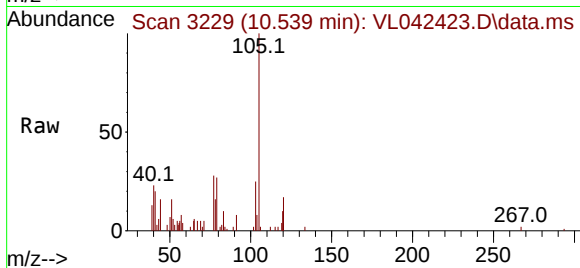
IA-B2-2-3242025

Tgt Ion:105 Resp: 5624

Ion Ratio Lower Upper

105 100

120 25.3 19.8 29.8



#64

n-propylbenzene

Concen: 0.109 ppbv

RT: 10.986 min Scan# 3367

Delta R.T. -0.003 min

Lab File: VL042423.D

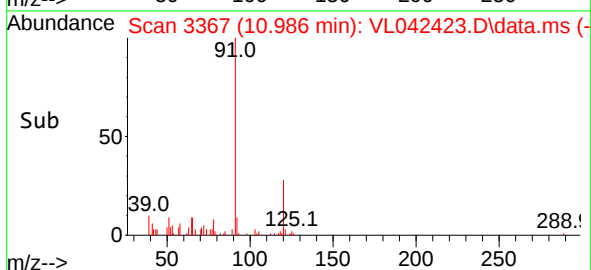
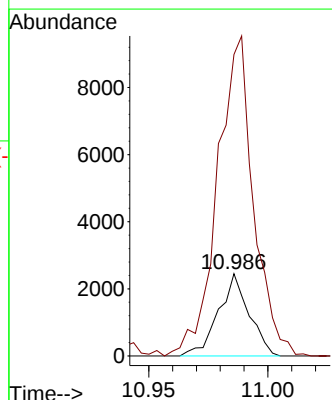
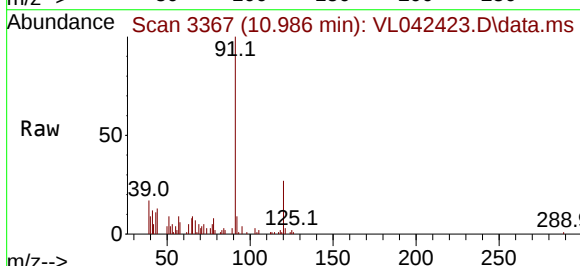
Acq: 28 Apr 2025 13:26

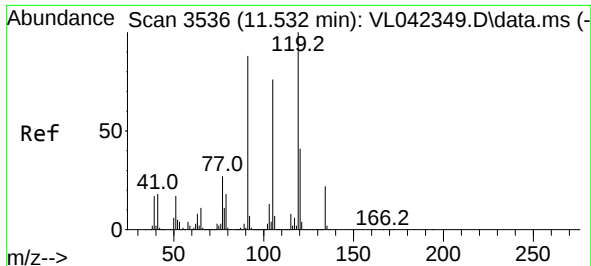
Tgt Ion:120 Resp: 2190

Ion Ratio Lower Upper

120 100

91 459.9 392.4 588.6

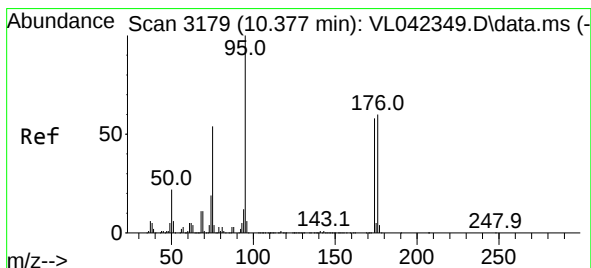
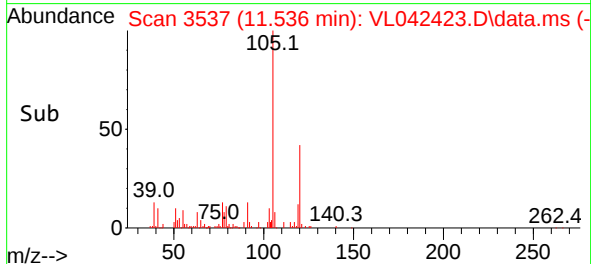
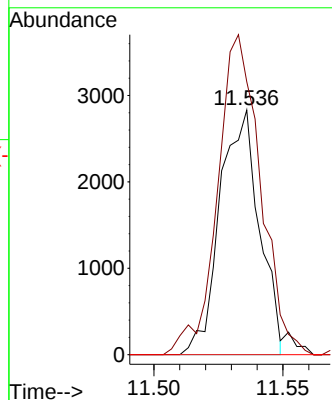
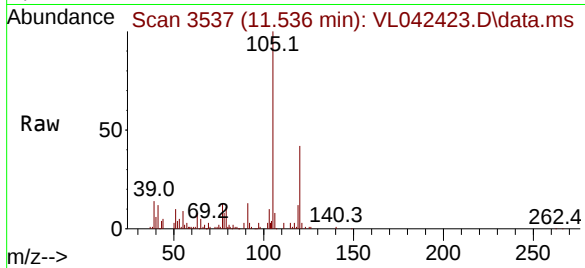




#65
tert-Butylbenzene
Concen: 0.041 ppbv
RT: 11.536 min Scan# 3119
Delta R.T. 0.004 min
Lab File: VL042423.D
Acq: 28 Apr 2025 13:26

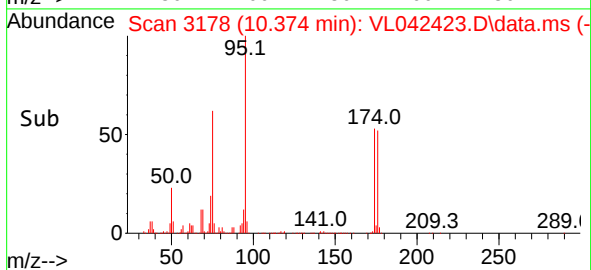
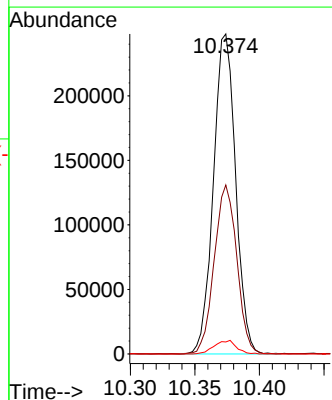
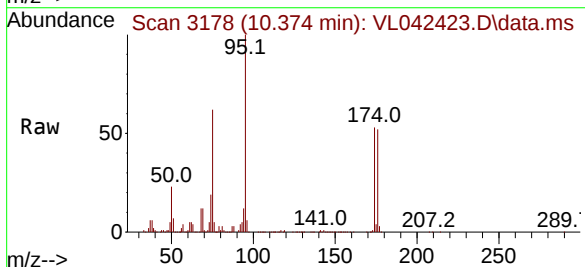
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-3242025

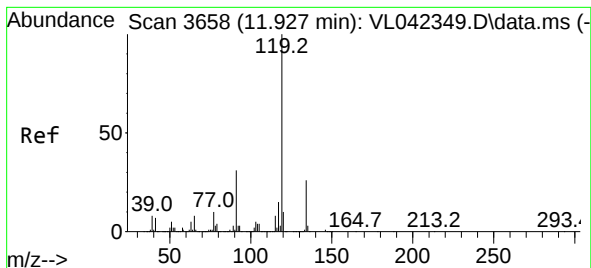
Tgt Ion:119 Resp: 3014
Ion Ratio Lower Upper
119 100
91 142.7 74.6 111.8#
134 0.0 18.8 28.2#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.662 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.003 min
Lab File: VL042423.D
Acq: 28 Apr 2025 13:26

Tgt Ion: 95 Resp: 295822
Ion Ratio Lower Upper
95 100
174 53.7 48.5 72.7
175 4.2 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.043 ppbv

RT: 11.924 min Scan# 30

Delta R.T. -0.003 min

Lab File: VL042423.D

Acq: 28 Apr 2025 13:26

Instrument :

MSVOA_L

ClientSampleId :

IA-B2-2-3242025

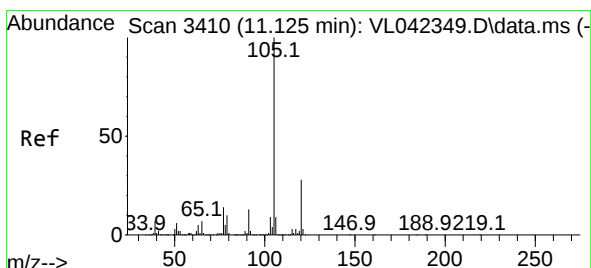
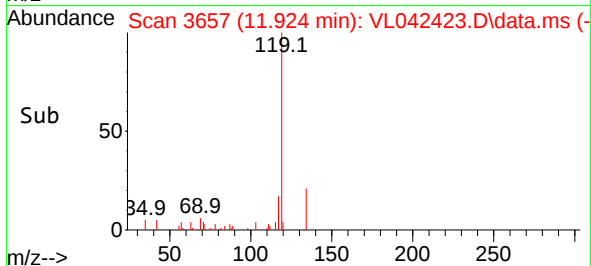
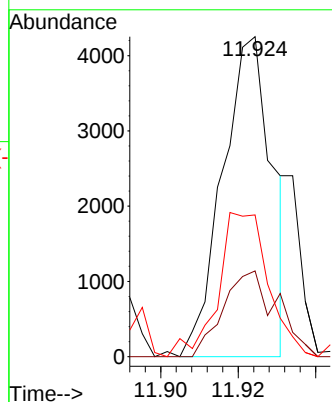
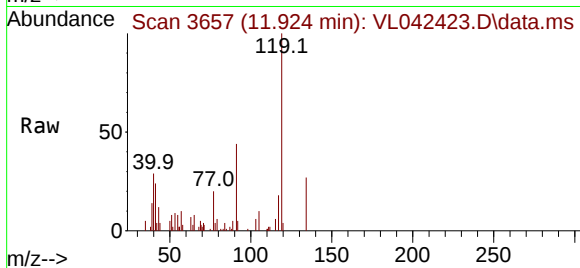
Tgt Ion:119 Resp: 3785

Ion Ratio Lower Upper

119 100

134 29.1 20.0 30.0

91 51.5 24.4 36.6#



#72

4-Ethyltoluene

Concen: 0.056 ppbv

RT: 11.118 min Scan# 3408

Delta R.T. -0.006 min

Lab File: VL042423.D

Acq: 28 Apr 2025 13:26

Tgt Ion:105 Resp: 3726

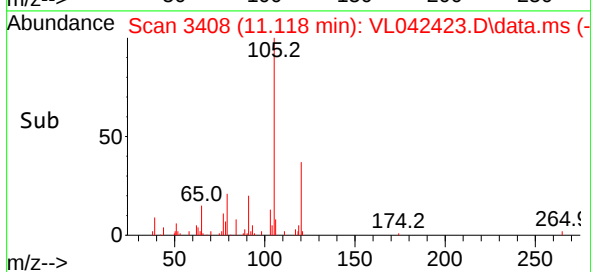
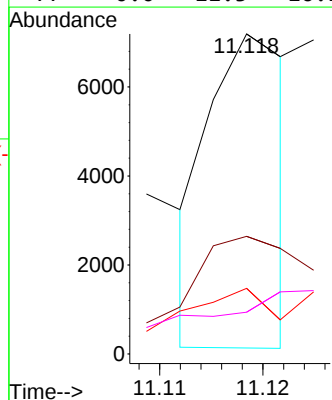
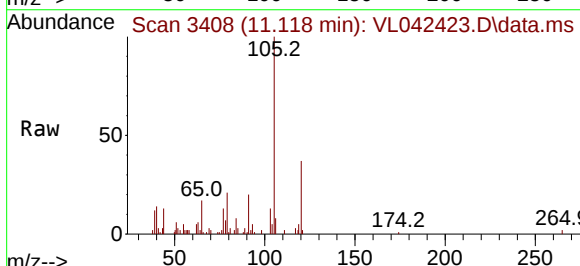
Ion Ratio Lower Upper

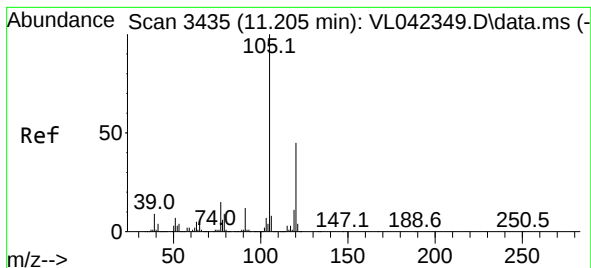
105 100

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: 0.140 ppbv

RT: 11.203 min Scan# 3435

Delta R.T. -0.003 min

Lab File: VL042423.D

Acq: 28 Apr 2025 13:26

Instrument :

MSVOA_L

ClientSampleId :

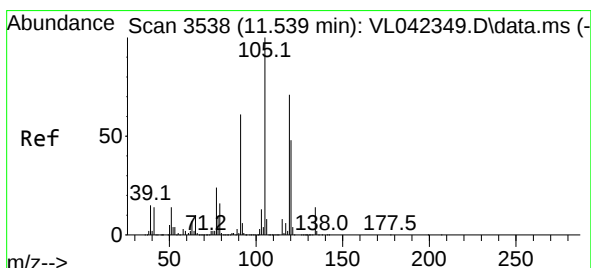
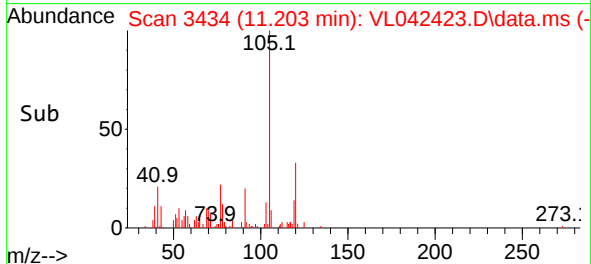
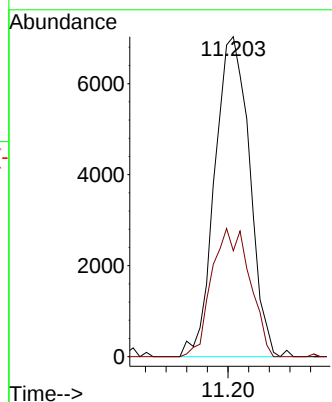
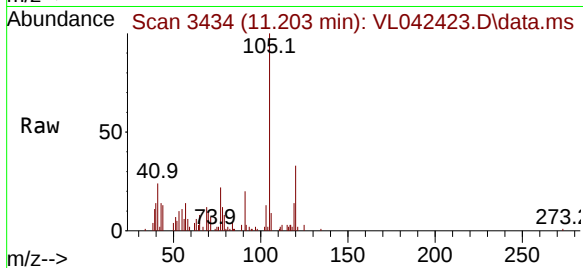
IA-B2-2-3242025

Tgt Ion:105 Resp: 8221

Ion Ratio Lower Upper

105 100

120 33.1 35.6 53.4#



#74

1,2,4-Trimethylbenzene

Concen: 0.387 ppbv

RT: 11.533 min Scan# 3536

Delta R.T. -0.006 min

Lab File: VL042423.D

Acq: 28 Apr 2025 13:26

Tgt Ion:105 Resp: 26441

Ion Ratio Lower Upper

105 100

120 36.4 38.1 57.1#

91 14.0 48.8 73.2#

77 15.4 19.0 28.4#

