

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090825\
 Data File : VL042904.D
 Acq On : 08 Sep 2025 15:15
 Operator : SY/MD
 Sample : Q3037-01
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

Quant Time: Sep 09 00:56:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 09 00:52:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	138126	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	368558	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	302216	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.370	95	236452	10.432	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.300%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.495	85	9878	0.488	ppbv	90
3) Chlorodifluoromethane	1.473	51	93046	4.158	ppbv #	91
4) Chloromethane	1.531	50	8036	0.984	ppbv	100
7) Chloroethane	1.703	64	380	0.121	ppbv	88
9) Propene	1.884	41	252978	26.179	ppbv	91
10) Heptane	4.965	43	1865	0.072	ppbv	95
11) Trichlorofluoromethane	1.495	101	838	0.042	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.133	101	1137	0.071	ppbv	87
13) Ethanol	1.719	45	172209	194.899	ppbv	90
15) Acetone	1.832	43	2285778	125.100	ppbv #	77
16) 1,3-Butadiene	1.618	39	4721	0.570	ppbv #	21
17) tert-Butyl alcohol	2.039	59	3472	0.160	ppbv #	1
19) Isopropyl Alcohol	1.884	45	2178522	199.623	ppbv	98
20) Methylene Chloride	2.059	84	8085	1.056	ppbv #	82
21) Allyl Chloride	1.961	41	7143	0.553	ppbv #	23
23) Vinyl Acetate	2.450	43	21424	0.853	ppbv #	92
25) Ethyl Acetate	2.832	43	151536	3.427	ppbv #	94
26) Hexane	2.822	57	18399	0.901	ppbv #	1
27) Carbon Disulfide	2.146	76	887	0.045	ppbv #	70
29) Chloroform	2.845	83	8304	0.285	ppbv	89
31) cis-1,2-Dichloroethene	2.832	61	16434	0.806	ppbv #	22
34) 2-Butanone	2.557	43	26086	1.048	ppbv	96
35) Carbon Tetrachloride	3.764	117	1143	0.045	ppbv #	84
36) Benzene	3.657	78	1116	0.032	ppbv #	72
37) 1,2-Dichloroethane	3.214	62	719	0.039	ppbv #	79
39) 1,2-Dichloropropane	3.949	63	97418	7.558	ppbv #	27
40) 1,4-Dioxane	4.583	88	555	0.091	ppbv #	1
41) Tetrahydrofuran	3.059	42	2514	0.181	ppbv #	53
43) Methyl Methacrylate	4.874	69	1043	0.072	ppbv #	1
44) 2,2,4-Trimethylpentane	4.625	57	3374	0.056	ppbv #	22
50) 4-Methyl-2-Pentanone	5.739	43	34197	1.017	ppbv #	38
51) 2-Hexanone	7.441	43	2979	0.113	ppbv #	55
53) Toluene	6.923	91	13909	0.331	ppbv	98
58) Ethyl Benzene	9.351	91	3051	0.057	ppbv	100
60) o-Xylene	9.959	91	4398	0.105	ppbv	100
61) Styrene	9.862	104	831	0.042	ppbv #	28
64) n-propylbenzene	10.988	120	910	0.058	ppbv #	1
65) tert-Butylbenzene	11.879	119	2940	0.054	ppbv	92
66) Benzyl Chloride	11.616	91	271	0.039	ppbv #	65
67) sec-Butylbenzene	12.218	105	3516	0.046	ppbv	97
69) p-Isopropyltoluene	11.917	119	4040	0.062	ppbv #	85
71) 2-Chlorotoluene	10.853	91	2992	0.063	ppbv	73
72) 4-Ethyltoluene	11.118	105	12697	0.249	ppbv #	62

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090825\
Data File : VL042904.D
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Operator : SY/MD
Sample : Q3037-01
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-2

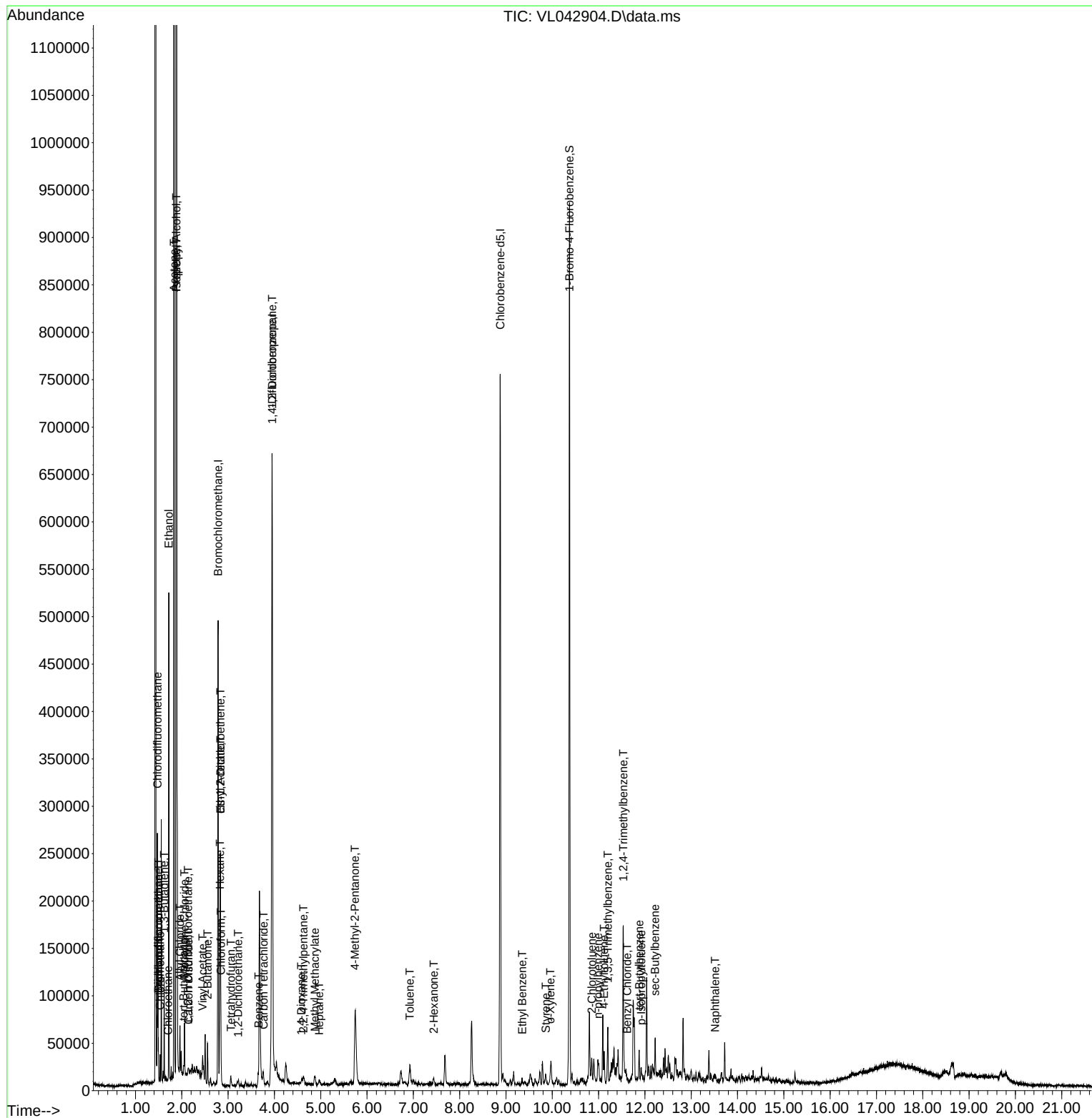
Quant Time: Sep 09 00:56:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Sep 09 00:52:26 2025
Response via : Initial Calibration

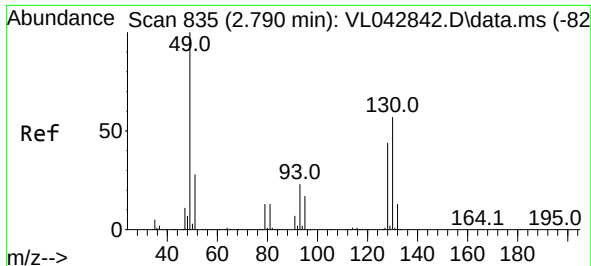
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	11.199	105	13893	0.320	ppbv	97
74) 1,2,4-Trimethylbenzene	11.532	105	53900	1.133	ppbv #	60
79) Naphthalene	13.513	128	1724	0.040	ppbv	96

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

Instrument :
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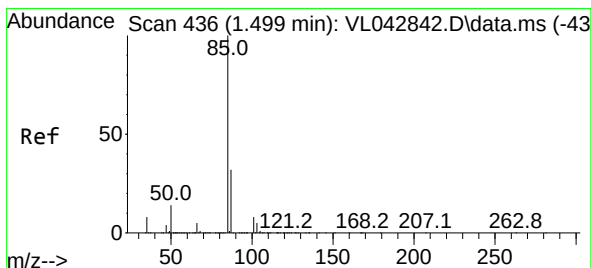
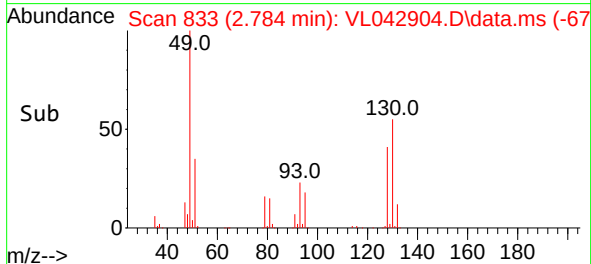
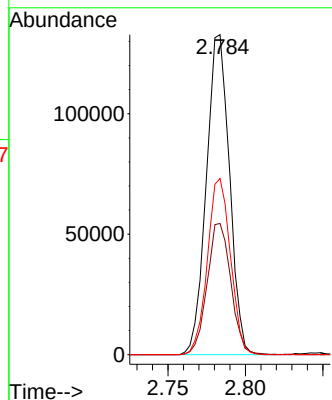
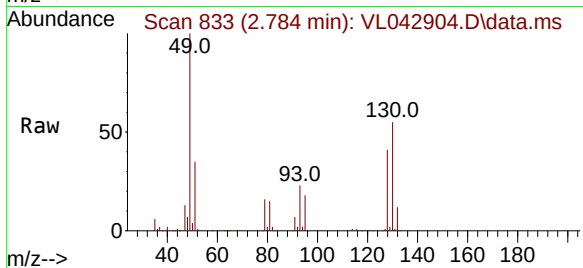




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.784 min Scan# 835
 Delta R.T. 0.007 min
 Lab File: VL042904.D
 Acq: 08 Sep 2025 15:15

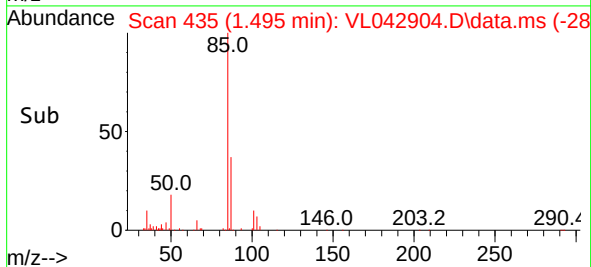
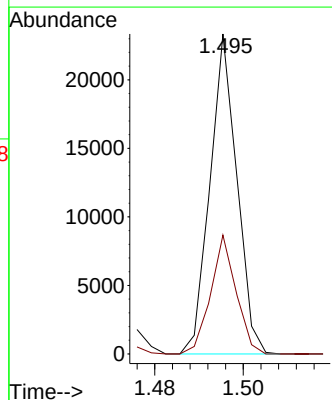
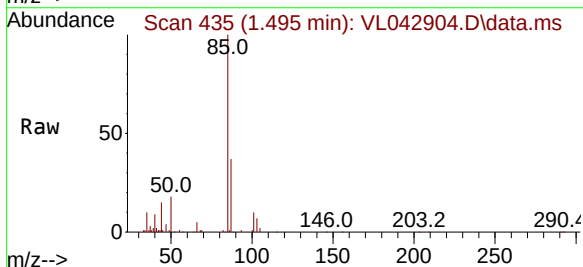
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

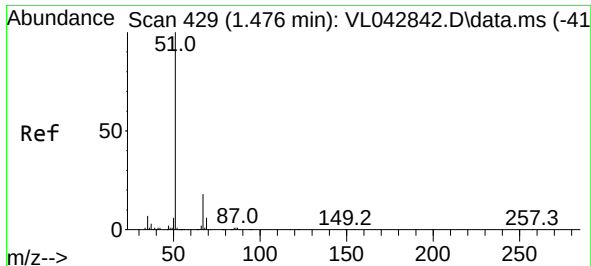
Tgt Ion: 49 Resp: 138126
 Ion Ratio Lower Upper
 49 100
 128 41.9 23.7 71.1
 130 54.7 30.6 91.6



#2
 Dichlorodifluoromethane
 Concen: 0.488 ppbv
 RT: 1.495 min Scan# 435
 Delta R.T. 0.003 min
 Lab File: VL042904.D
 Acq: 08 Sep 2025 15:15

Tgt Ion: 85 Resp: 9878
 Ion Ratio Lower Upper
 85 100
 87 37.1 25.3 37.9

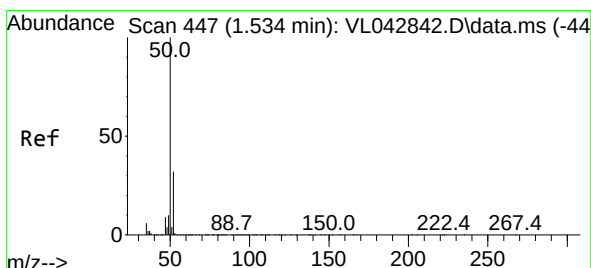
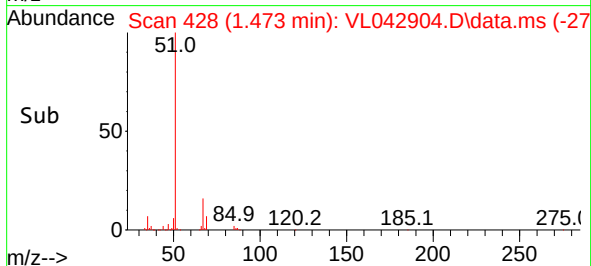
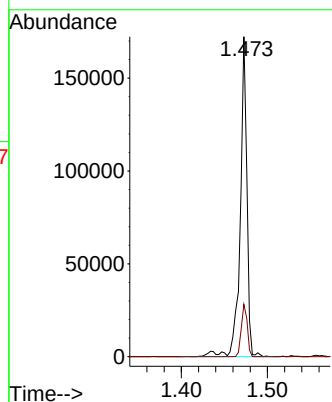
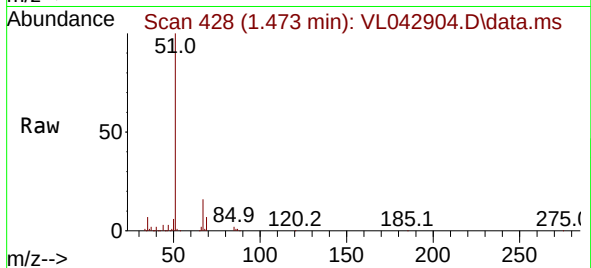




#3
Chlorodifluoromethane
Concen: 4.158 ppbv
RT: 1.473 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

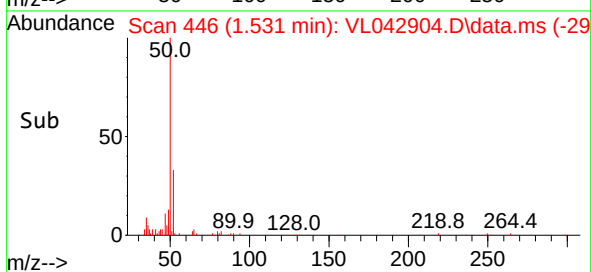
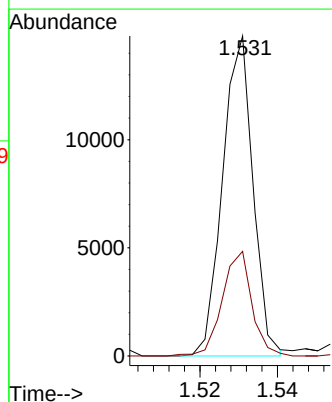
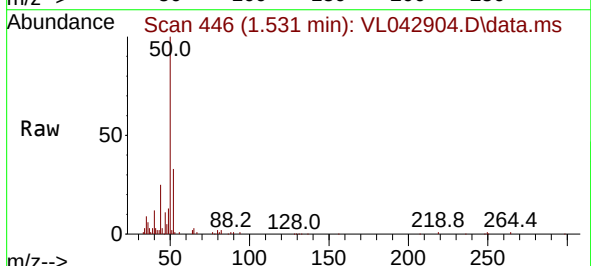
Instrument :
MSVOA_1
ClientSampleId :
IA-2

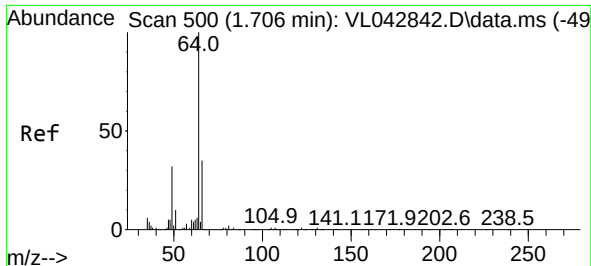
Tgt Ion: 51 Resp: 93046
Ion Ratio Lower Upper
51 100
67 14.6 14.9 22.3#



#4
Chloromethane
Concen: 0.984 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.003 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

Tgt Ion: 50 Resp: 8036
Ion Ratio Lower Upper
50 100
52 32.2 25.9 38.9

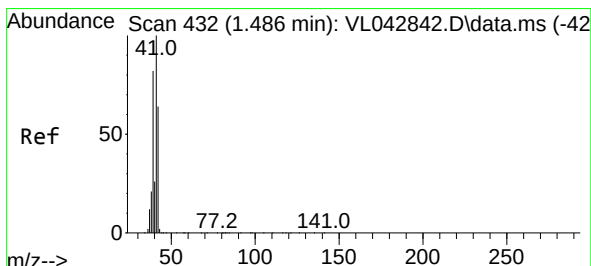
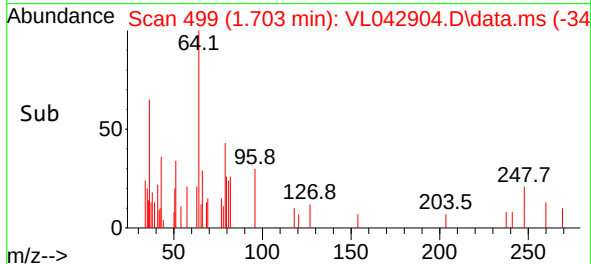
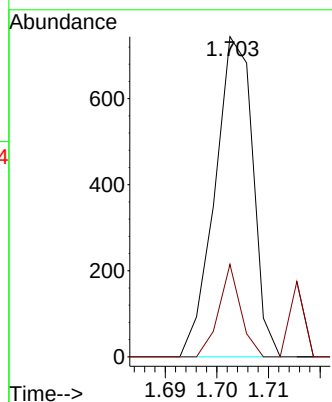
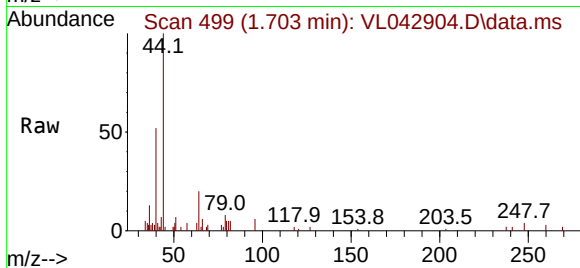




#7
Chloroethane
Concen: 0.121 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.003 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

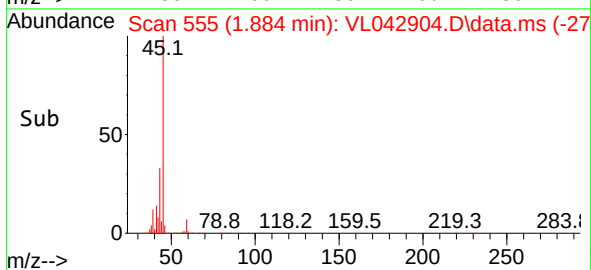
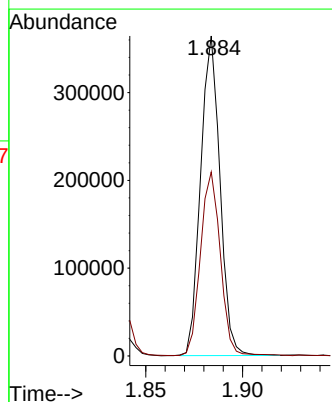
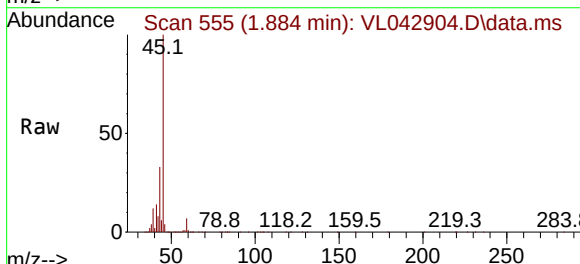
Instrument :
MSVOA_L
ClientSampleId :
IA-2

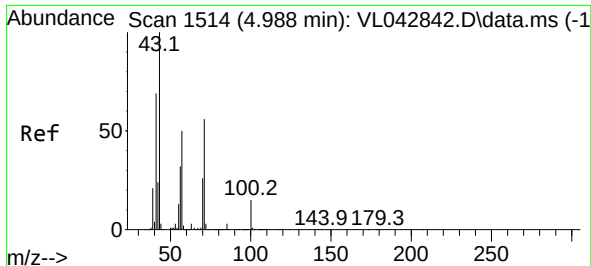
Tgt Ion: 64 Resp: 380
Ion Ratio Lower Upper
64 100
66 28.9 28.6 42.8



#9
Propene
Concen: 26.179 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.408 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

Tgt Ion: 41 Resp: 252978
Ion Ratio Lower Upper
41 100
42 58.9 53.0 79.4

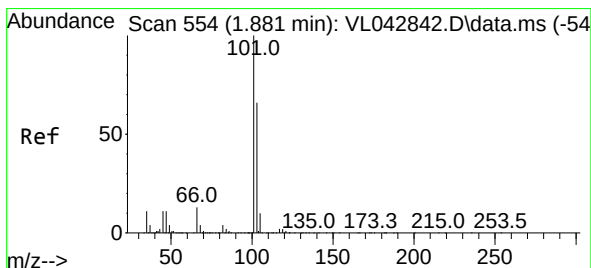
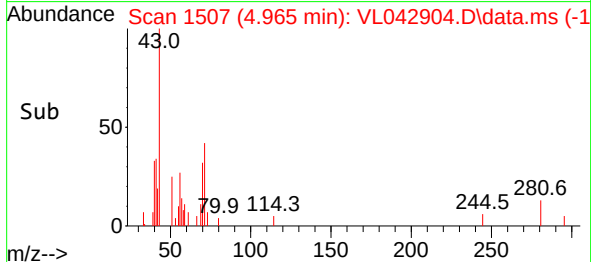
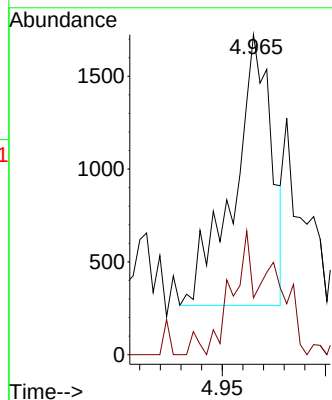
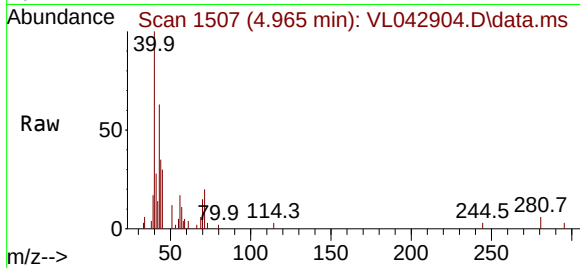




#10
 Heptane
 Concen: 0.072 ppbv
 RT: 4.965 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VL042904.D
 Acq: 08 Sep 2025 15:15

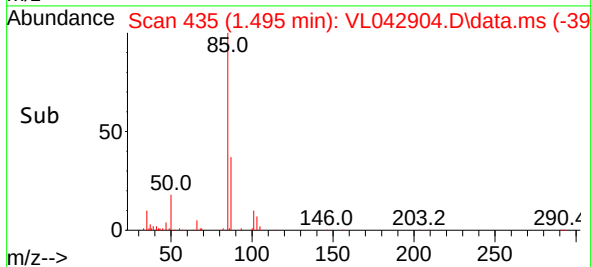
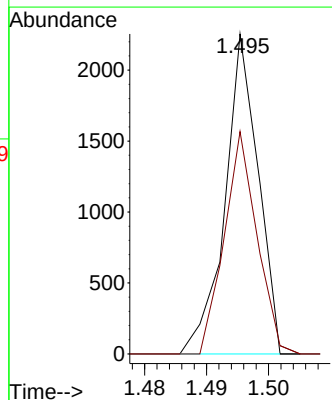
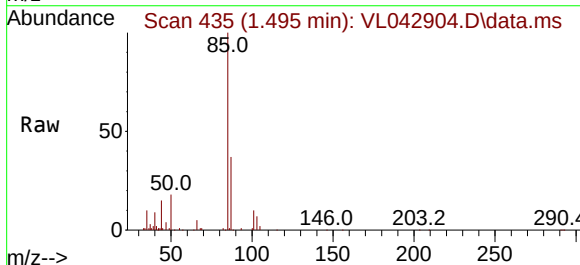
Instrument :
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 ClientSampleId :
 IA-2

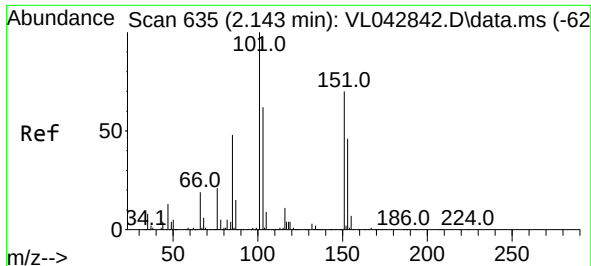
Tgt Ion: 43 Resp: 1865
 Ion Ratio Lower Upper
 43 100
 57 55.3 41.4 62.0



#11
 Trichlorofluoromethane
 Concen: 0.042 ppbv
 RT: 1.495 min Scan# 435
 Delta R.T. -0.376 min
 Lab File: VL042904.D
 Acq: 08 Sep 2025 15:15

Tgt Ion: 101 Resp: 838
 Ion Ratio Lower Upper
 101 100
 103 69.5 52.5 78.7

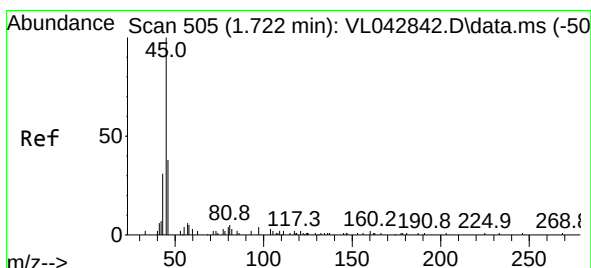
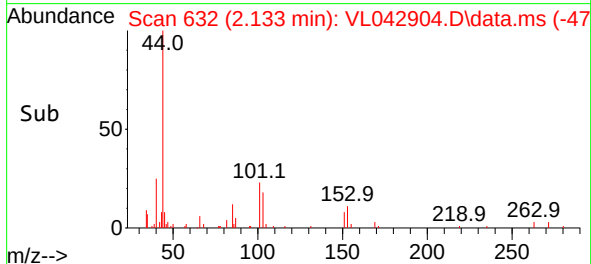
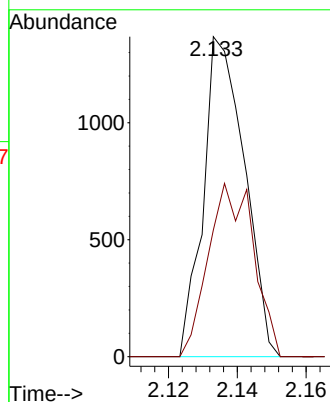
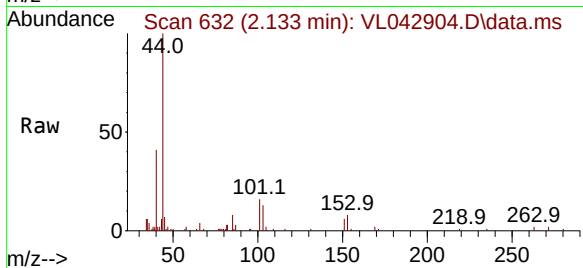




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.071 ppbv
RT: 2.133 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

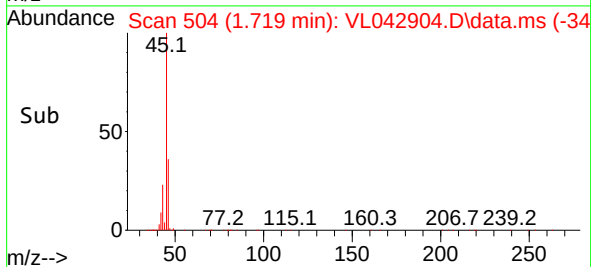
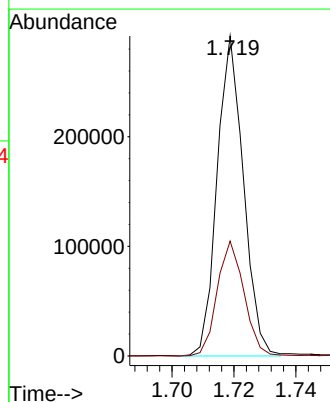
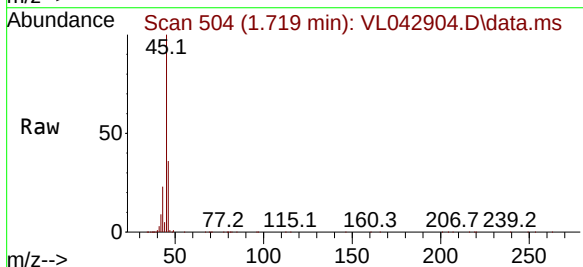
Instrument :
MSVOA_L
ClientSampleId :
IA-2

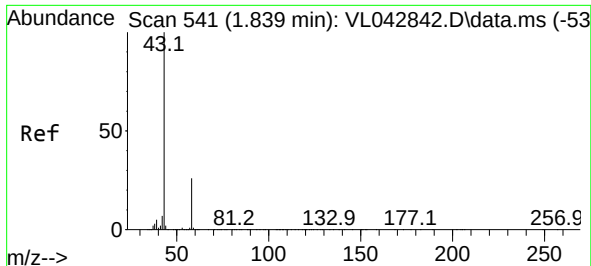
Tgt Ion:101 Resp: 1137
Ion Ratio Lower Upper
101 100
151 59.5 56.4 84.6



#13
Ethanol
Concen: 194.899 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

Tgt Ion: 45 Resp: 172209
Ion Ratio Lower Upper
45 100
46 37.3 17.5 69.9

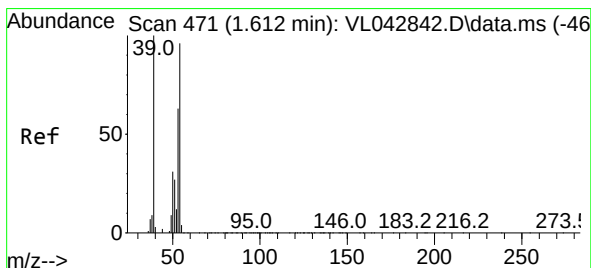
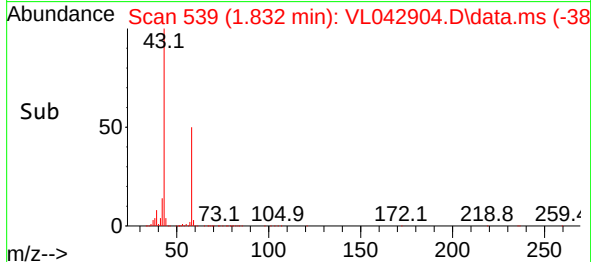
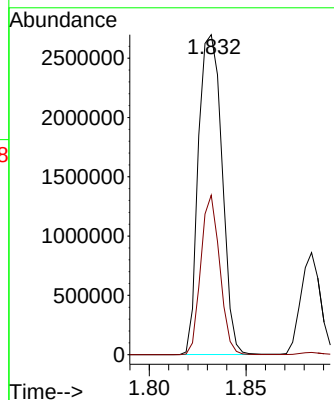
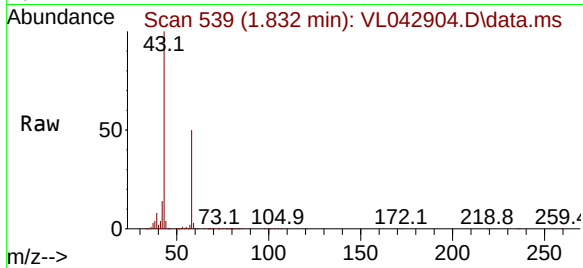




#15
Acetone
Concen: 125.100 ppbv
RT: 1.832 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

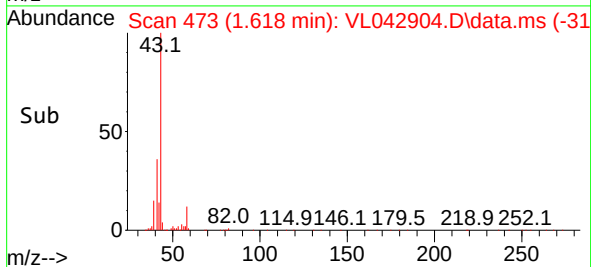
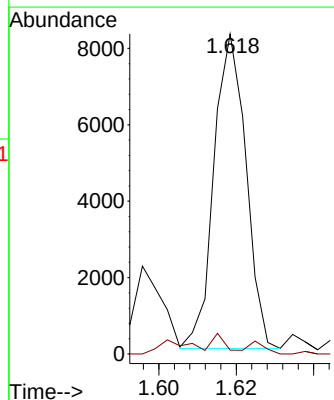
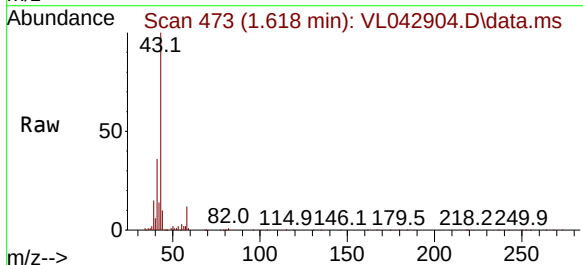
Instrument :
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IA-2

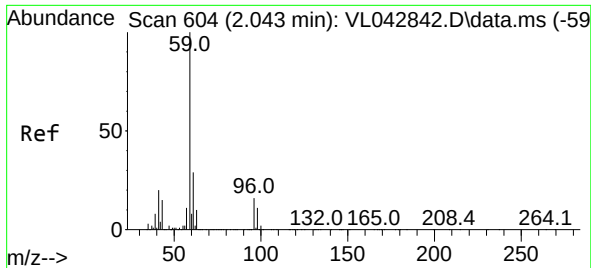
Tgt Ion: 43 Resp: 2285778
Ion Ratio Lower Upper
43 100
58 40.1 22.4 33.6#



#16
1,3-Butadiene
Concen: 0.570 ppbv
RT: 1.618 min Scan# 473
Delta R.T. 0.016 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

Tgt Ion: 39 Resp: 4721
Ion Ratio Lower Upper
39 100
54 9.7 63.6 95.4#





#17

tert-Butyl alcohol

Concen: 0.160 ppbv

RT: 2.039 min Scan# 604

Delta R.T. 0.006 min

Lab File: VL042904.D

Acq: 08 Sep 2025 15:15

Instrument :

MSVOA_1

ClientSampleId :

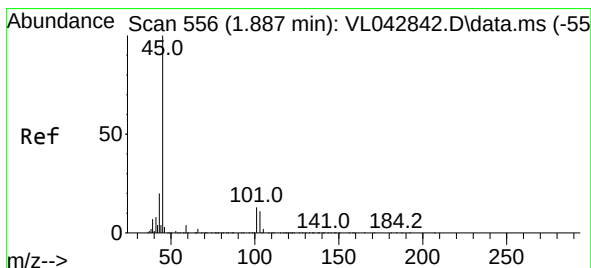
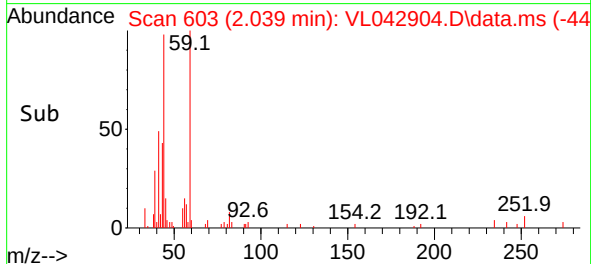
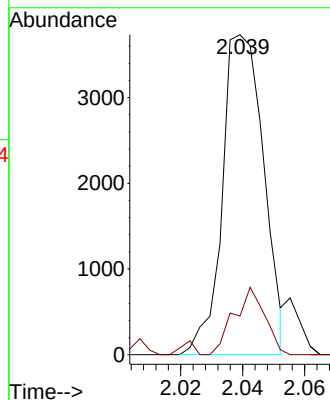
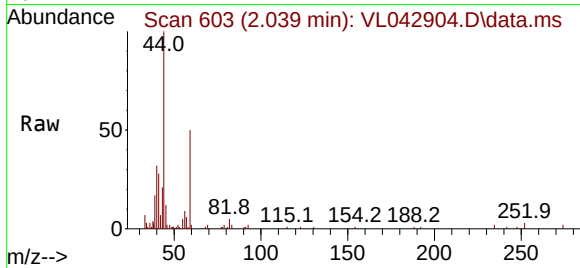
IA-2

Tgt Ion: 59 Resp: 3472

Ion Ratio Lower Upper

59 100

57 56.6 9.0 13.4#



#19

Isopropyl Alcohol

Concen: 199.623 ppbv

RT: 1.884 min Scan# 555

Delta R.T. 0.003 min

Lab File: VL042904.D

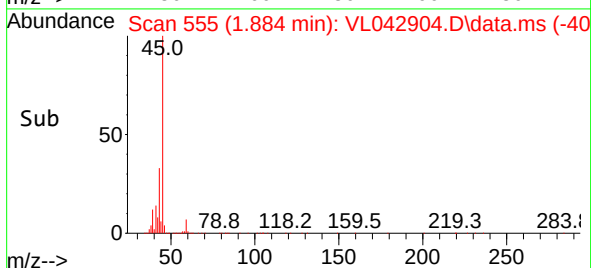
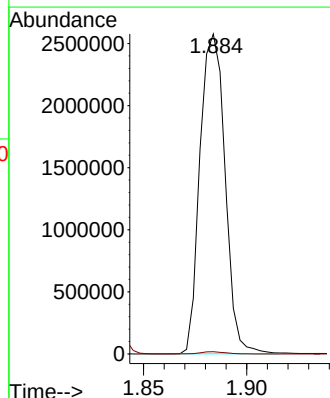
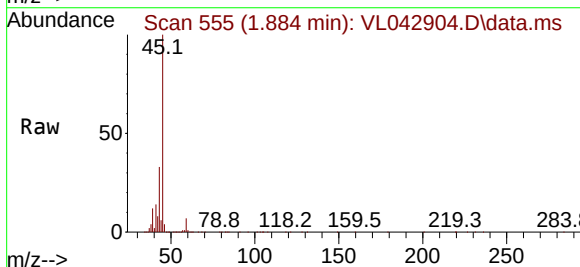
Acq: 08 Sep 2025 15:15

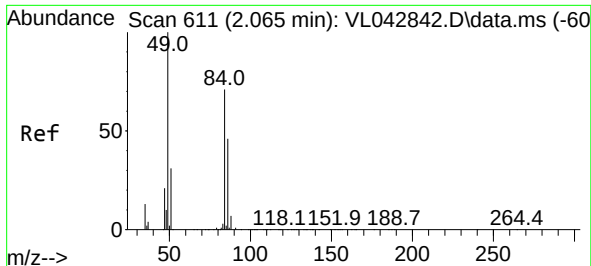
Tgt Ion: 45 Resp: 2178522

Ion Ratio Lower Upper

45 100

58 42.1 32.7 49.1

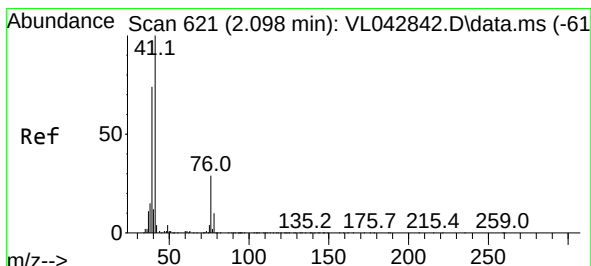
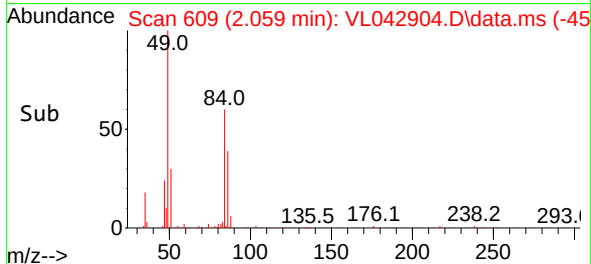
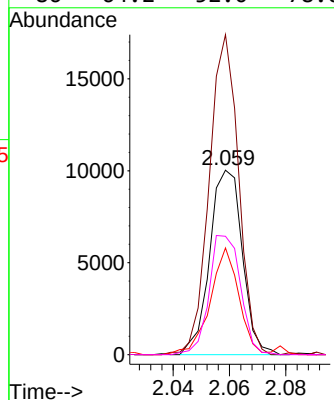
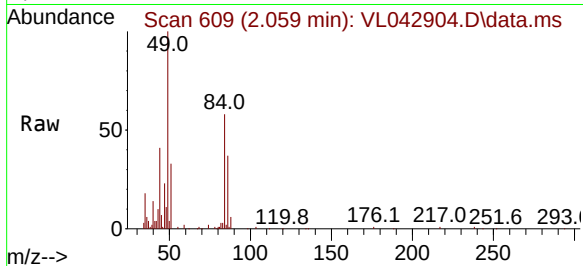




#20
Methylene Chloride
Concen: 1.056 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

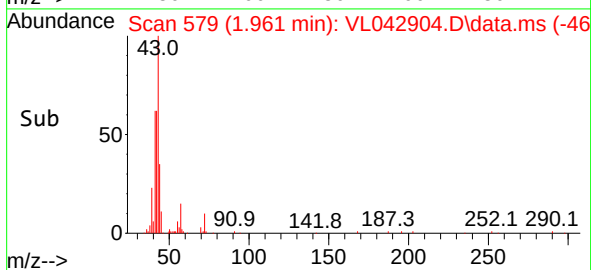
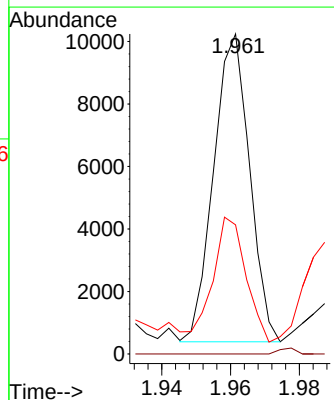
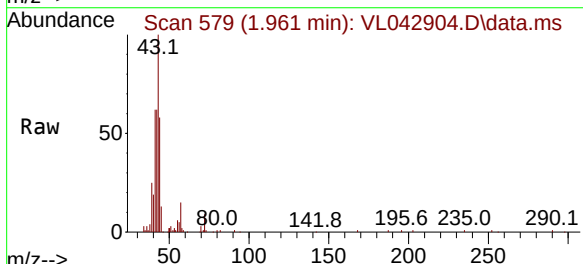
Instrument :
MSVOA_L
ClientSampleId :
IA-2

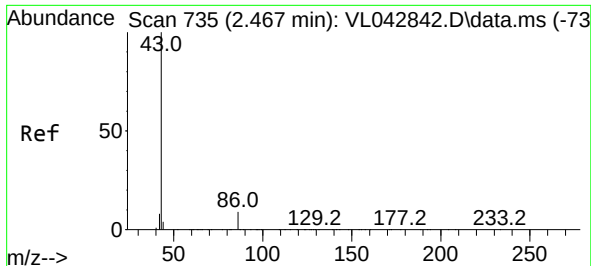
Tgt Ion:	84	Resp:	8085
Ion	Ratio	Lower	Upper
84	100		
49	173.4	112.3	168.5#
51	55.0	36.0	54.0#
86	64.2	52.0	78.0



#21
Allyl Chloride
Concen: 0.553 ppbv
RT: 1.961 min Scan# 579
Delta R.T. -0.127 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

Tgt Ion:	41	Resp:	7143
Ion	Ratio	Lower	Upper
41	100		
76	1.4	23.9	35.9#
39	0.0	57.8	86.6#

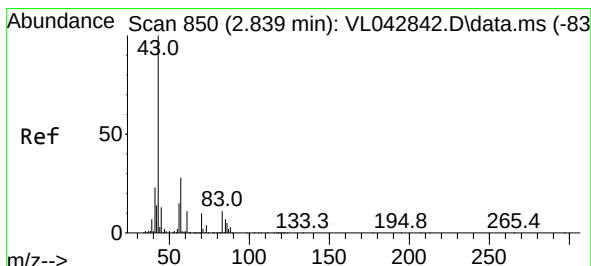
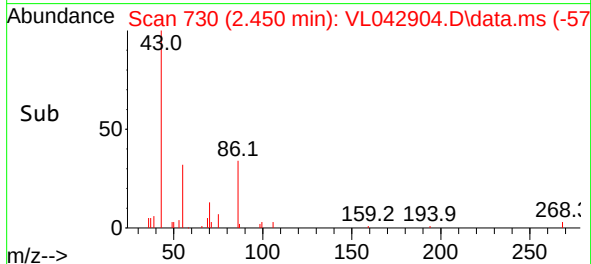
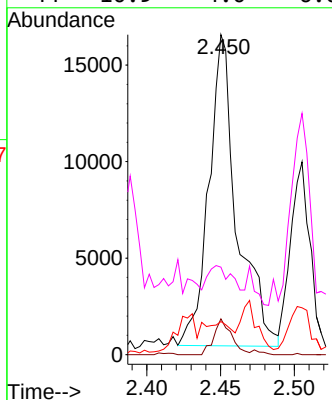
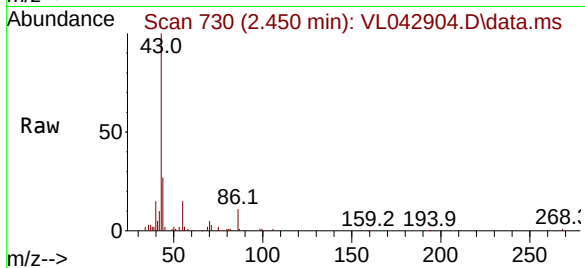




#23
 Vinyl Acetate
 Concen: 0.853 ppbv
 RT: 2.450 min Scan# 71
 Delta R.T. -0.004 min
 Lab File: VL042904.D
 Acq: 08 Sep 2025 15:15

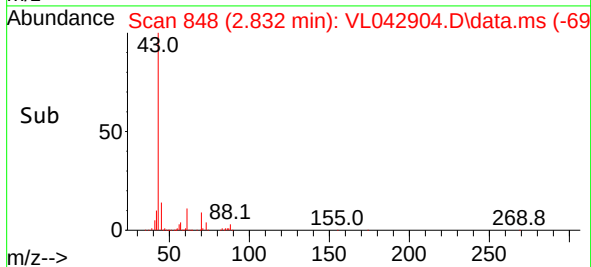
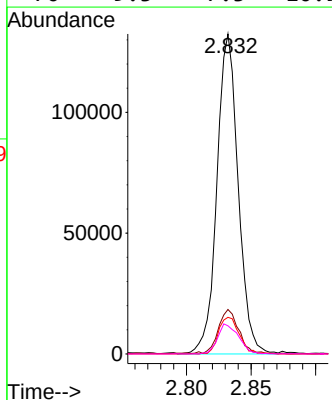
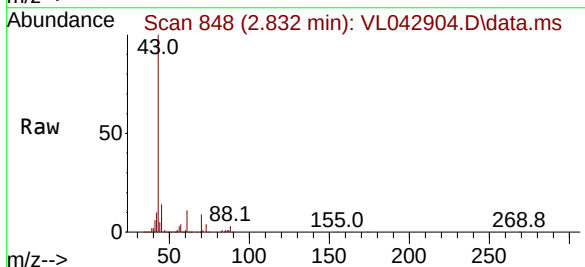
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

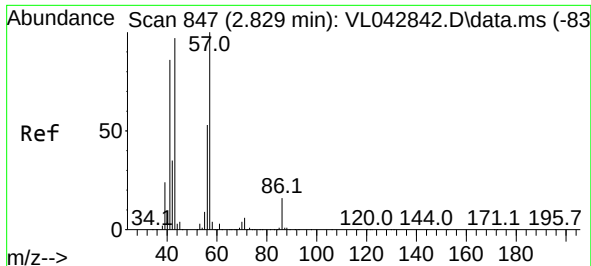
Tgt Ion: 43	Resp: 21424
Ion Ratio	Lower Upper
43 100	
86 11.5	6.6 9.8#
42 8.7	7.0 10.6
44 10.9	4.0 6.0#



#25
 Ethyl Acetate
 Concen: 3.427 ppbv
 RT: 2.832 min Scan# 848
 Delta R.T. 0.006 min
 Lab File: VL042904.D
 Acq: 08 Sep 2025 15:15

Tgt	Ion: 43	Resp:	151536
Ion	Ratio	Lower	Upper
43	100		
45	13.9	8.1	12.1#
61	11.3	7.4	11.2#
70	9.3	7.3	10.9

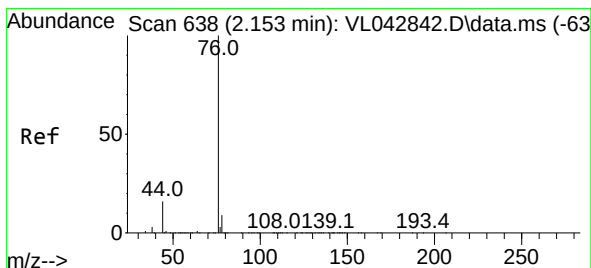
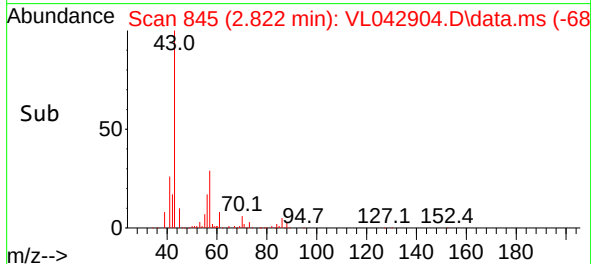
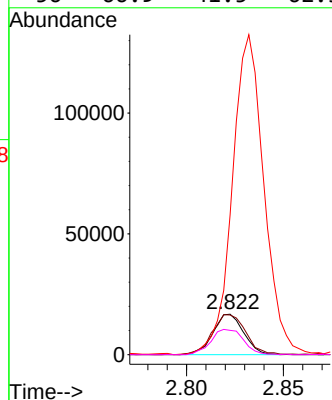
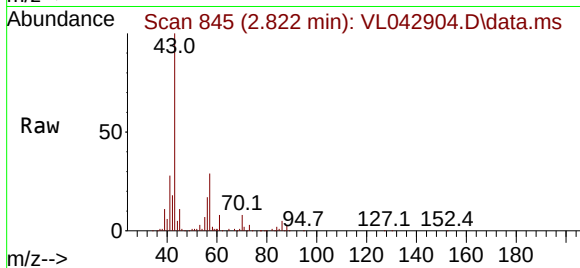




#26
Hexane
Concen: 0.901 ppbv
RT: 2.822 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

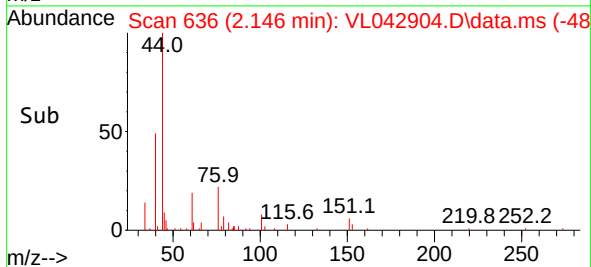
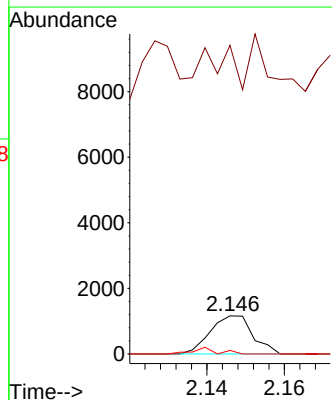
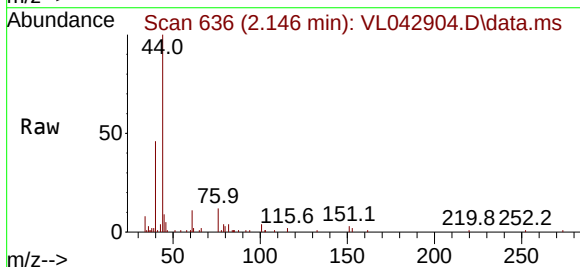
Instrument :
MSVOA_L
ClientSampleId :
IA-2

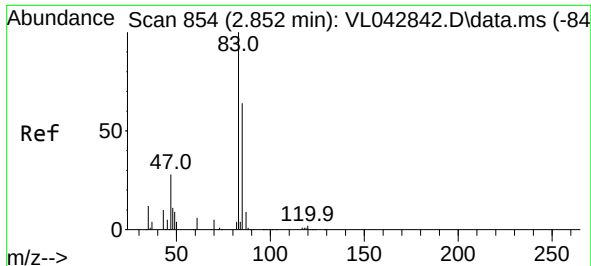
Tgt Ion: 57 Resp: 18399
Ion Ratio Lower Upper
57 100
41 110.0 68.6 103.0#
43 828.5 168.5 252.7#
56 66.9 41.5 62.3#



#27
Carbon Disulfide
Concen: 0.045 ppbv
RT: 2.146 min Scan# 636
Delta R.T. 0.003 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

Tgt Ion: 76 Resp: 887
Ion Ratio Lower Upper
76 100
44 0.0 15.9 23.9#
78 9.4 9.5 14.3#





#29

Chloroform

Concen: 0.285 ppbv

RT: 2.845 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL042904.D

Acq: 08 Sep 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

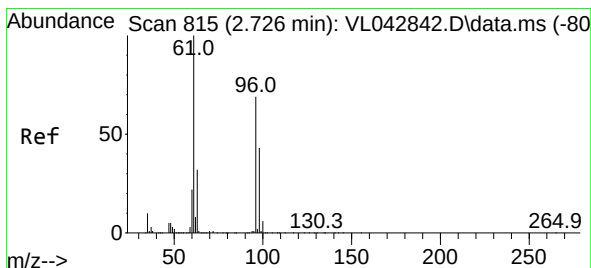
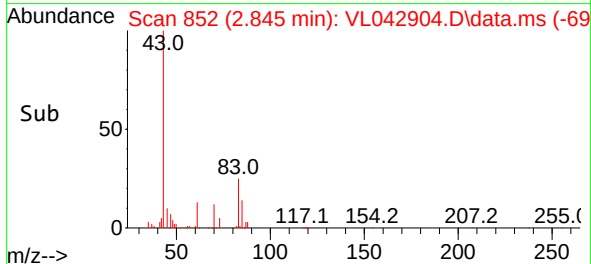
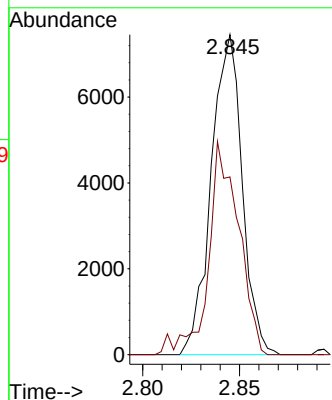
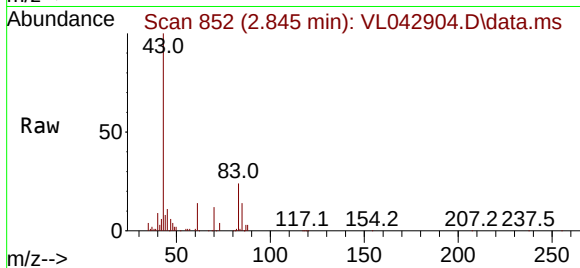
IA-2

Tgt Ion: 83 Resp: 8304

Ion Ratio Lower Upper

83 100

85 55.5 51.1 76.7



#31

cis-1,2-Dichloroethene

Concen: 0.806 ppbv

RT: 2.832 min Scan# 848

Delta R.T. 0.119 min

Lab File: VL042904.D

Acq: 08 Sep 2025 15:15

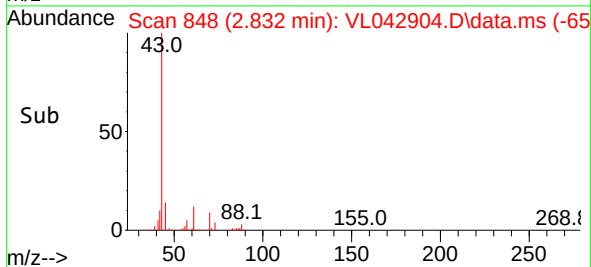
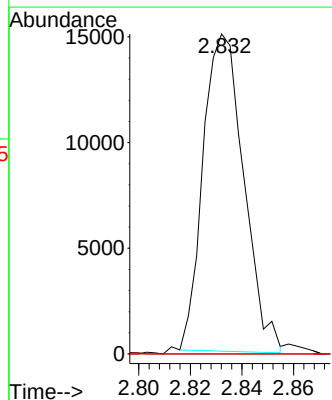
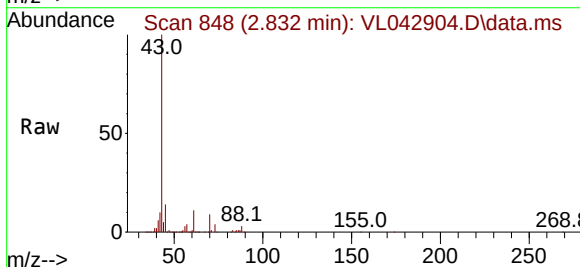
Tgt Ion: 61 Resp: 16434

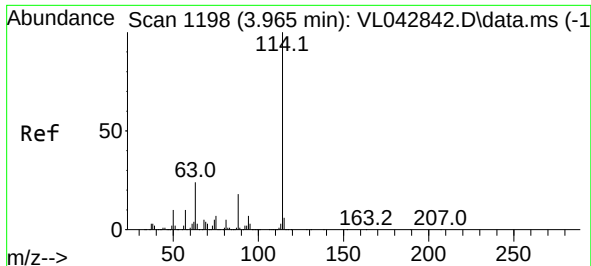
Ion Ratio Lower Upper

61 100

96 0.0 55.0 82.6#

98 0.0 34.3 51.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. 0.009 min

Lab File: VL042904.D

Acq: 08 Sep 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

IA-2

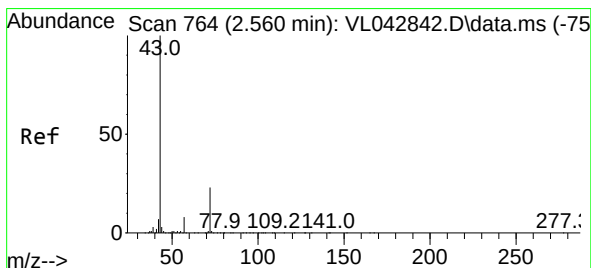
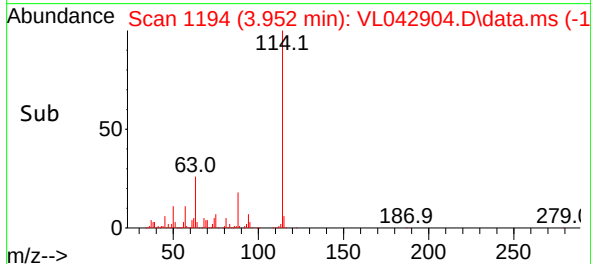
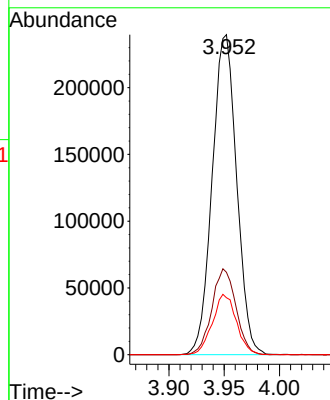
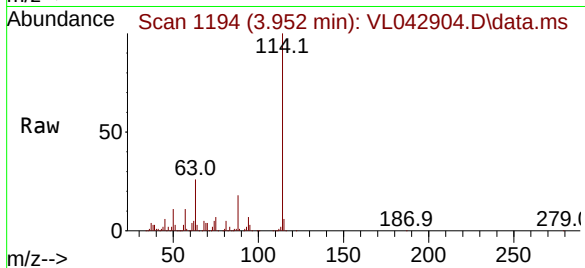
Tgt Ion:114 Resp: 368558

Ion Ratio Lower Upper

114 100

63 26.4 19.7 29.5

88 18.5 14.4 21.6



#34

2-Butanone

Concen: 1.048 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.009 min

Lab File: VL042904.D

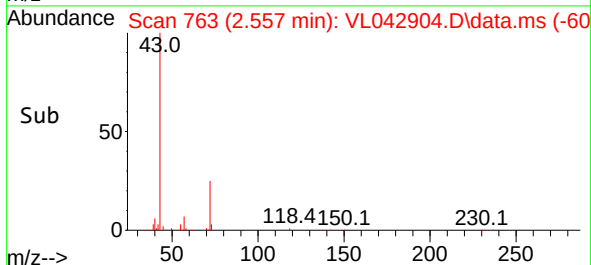
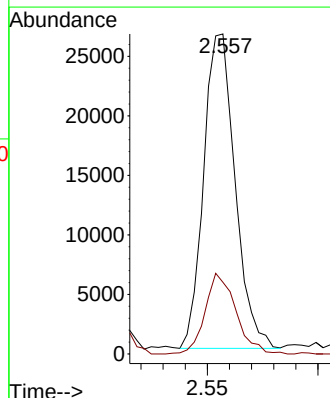
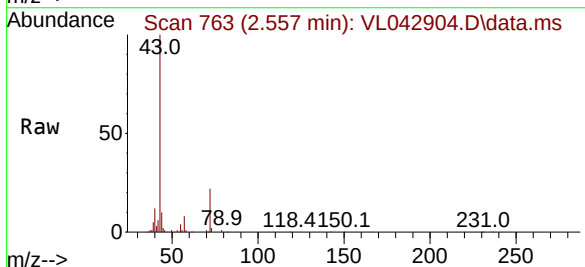
Acq: 08 Sep 2025 15:15

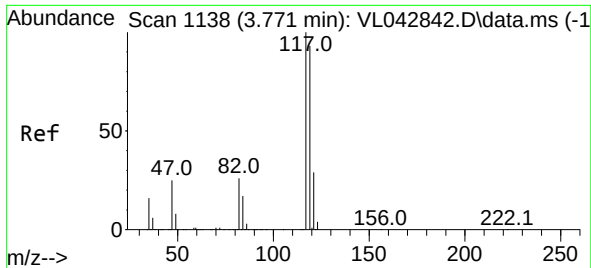
Tgt Ion: 43 Resp: 26086

Ion Ratio Lower Upper

43 100

72 25.2 18.6 28.0

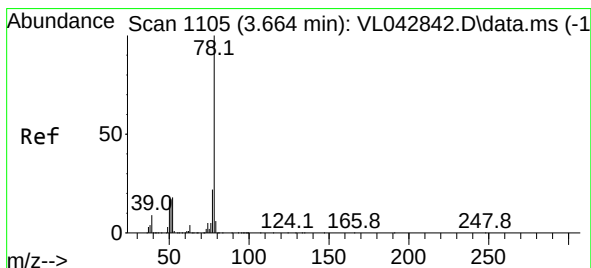
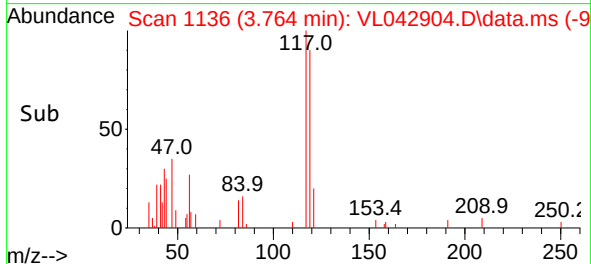
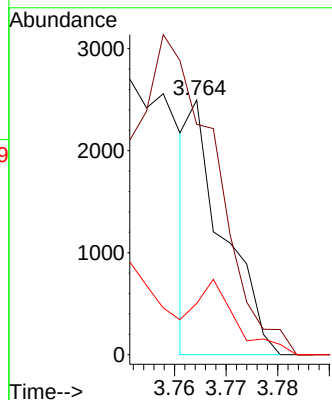
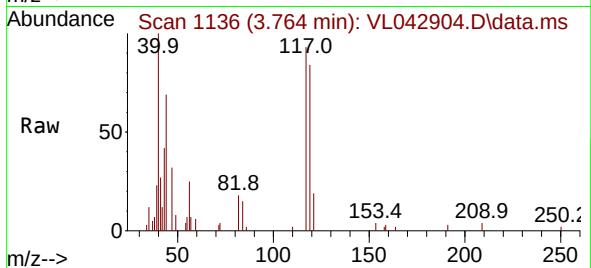




#35
Carbon Tetrachloride
Concen: 0.045 ppbv
RT: 3.764 min Scan# 1138
Delta R.T. 0.016 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

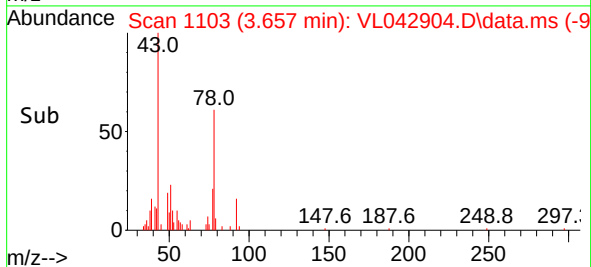
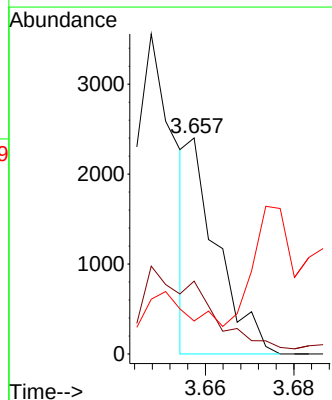
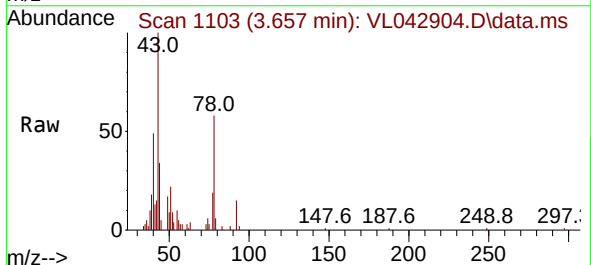
Instrument :
MSVOA_L
ClientSampleId :
IA-2

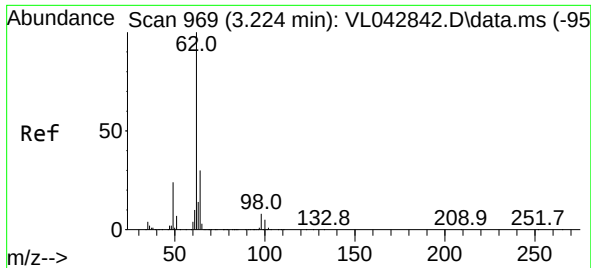
Tgt Ion:117 Resp: 1143
Ion Ratio Lower Upper
117 100
119 80.6 74.7 112.1
121 16.1 23.2 34.8#



#36
Benzene
Concen: 0.032 ppbv
RT: 3.657 min Scan# 1103
Delta R.T. 0.013 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

Tgt Ion: 78 Resp: 1116
Ion Ratio Lower Upper
78 100
77 30.6 17.7 26.5#
50 0.0 13.9 20.9#





#37

1,2-Dichloroethane

Concen: 0.039 ppbv

RT: 3.214 min Scan# 9

Delta R.T. 0.006 min

Lab File: VL042904.D

Acq: 08 Sep 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

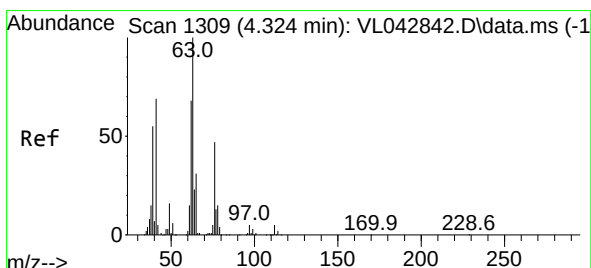
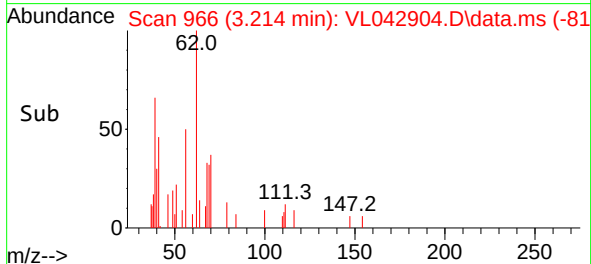
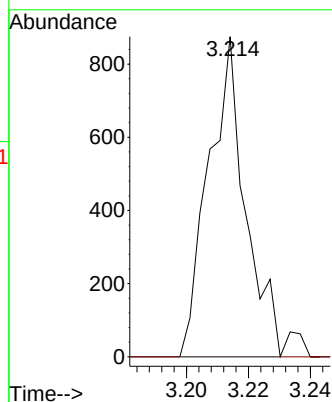
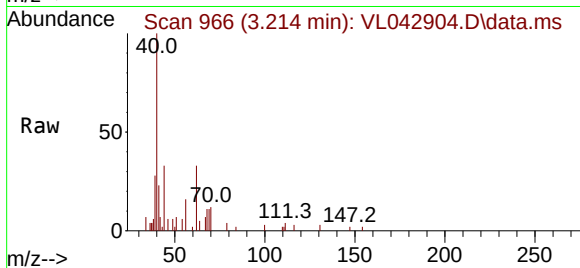
IA-2

Tgt Ion: 62 Resp: 719

Ion Ratio Lower Upper

62 100

98 0.0 5.9 8.9#



#39

1,2-Dichloropropane

Concen: 7.558 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. -0.350 min

Lab File: VL042904.D

Acq: 08 Sep 2025 15:15

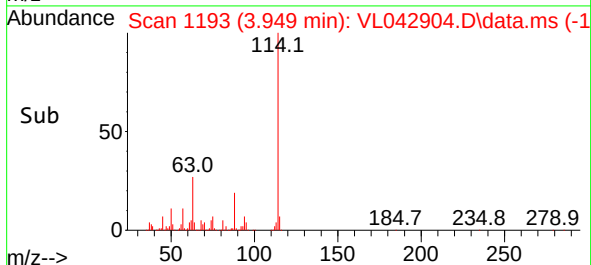
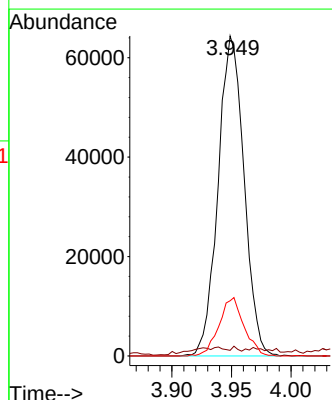
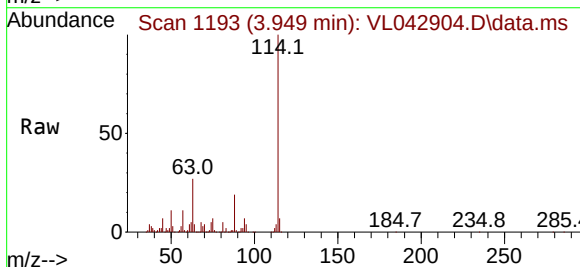
Tgt Ion: 63 Resp: 97418

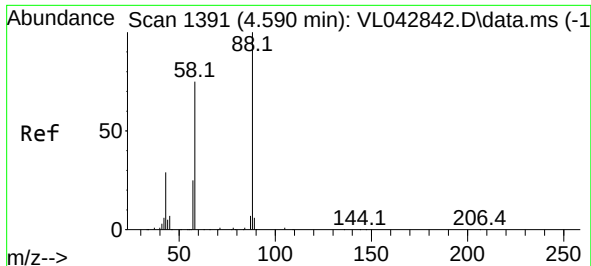
Ion Ratio Lower Upper

63 100

41 0.7 55.0 82.4#

62 17.3 54.4 81.6#

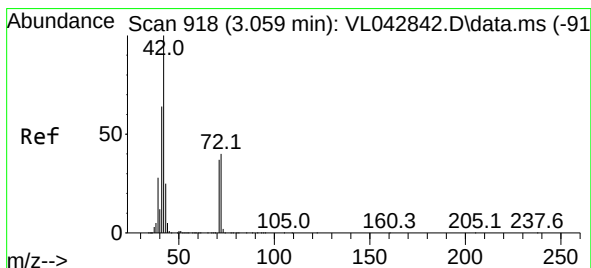
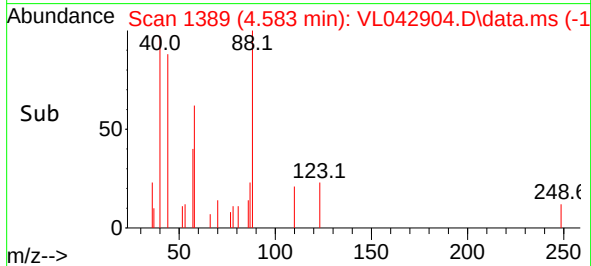
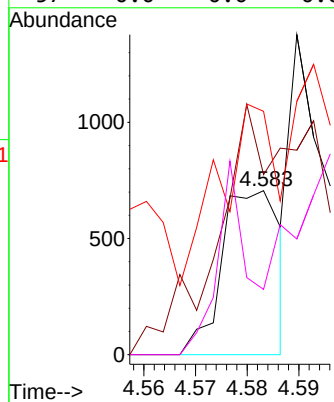
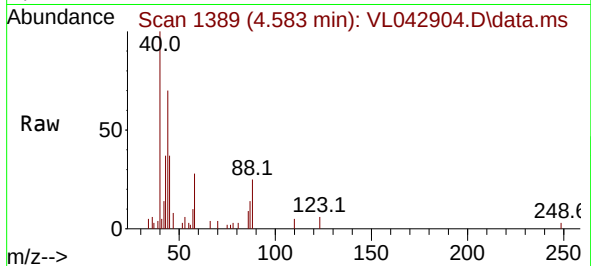




#40
1,4-Dioxane
Concen: 0.091 ppbv
RT: 4.583 min Scan# 1389
Delta R.T. 0.022 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

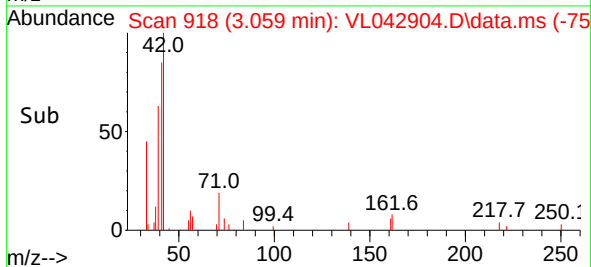
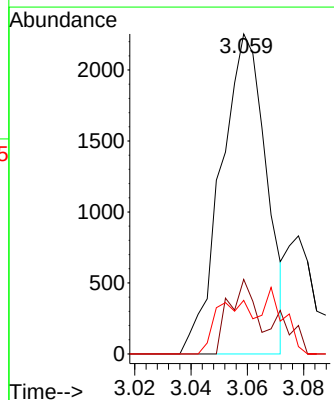
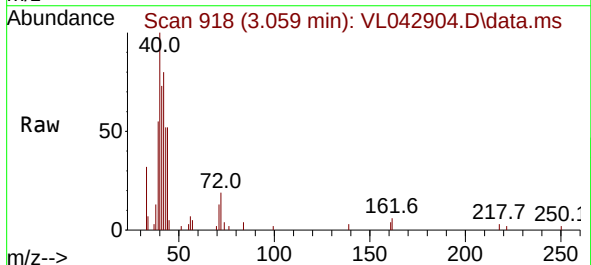
Instrument :
MSVOA_1
ClientSampleId :
IA-2

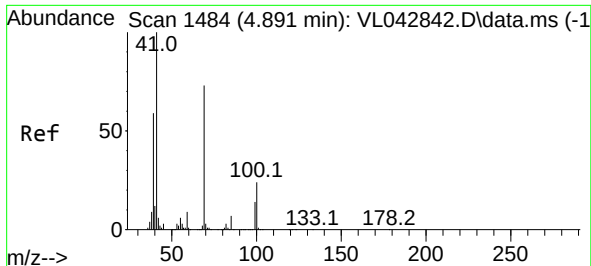
Tgt Ion: 88 Resp: 555
Ion Ratio Lower Upper
88 100
58 517.1 53.8 80.6#
43 53.0 22.8 34.2#
57 0.0 0.0 0.0



#41
Tetrahydrofuran
Concen: 0.181 ppbv
RT: 3.059 min Scan# 918
Delta R.T. 0.016 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

Tgt Ion: 42 Resp: 2514
Ion Ratio Lower Upper
42 100
72 19.8 32.6 48.8#
71 0.0 30.0 45.0#

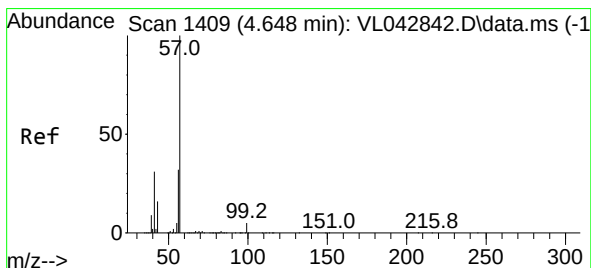
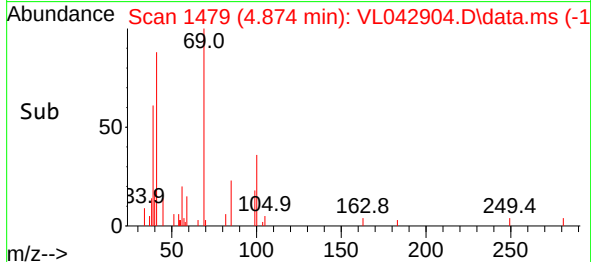
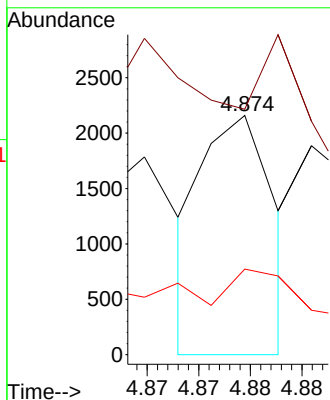
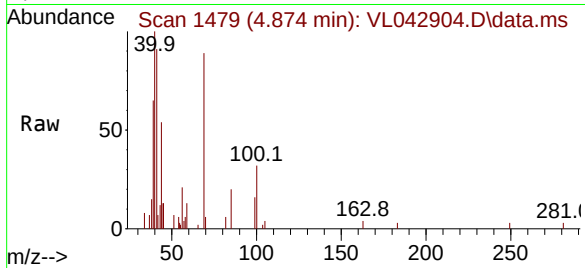




#43
Methyl Methacrylate
Concen: 0.072 ppbv
RT: 4.874 min Scan# 1484
Delta R.T. 0.016 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

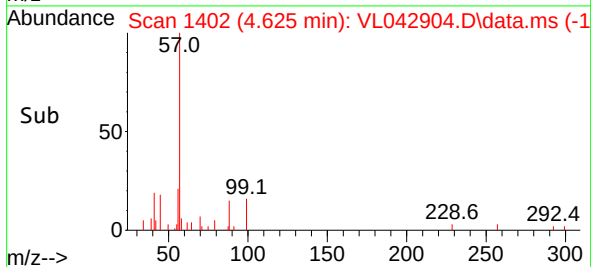
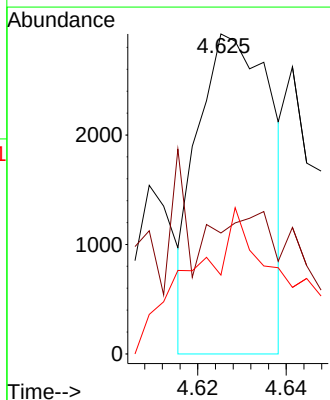
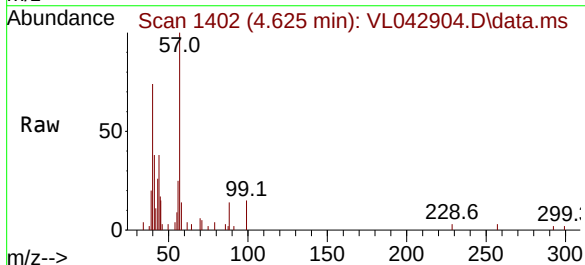
Instrument :
MSVOA_1
ClientSampleId :
IA-2

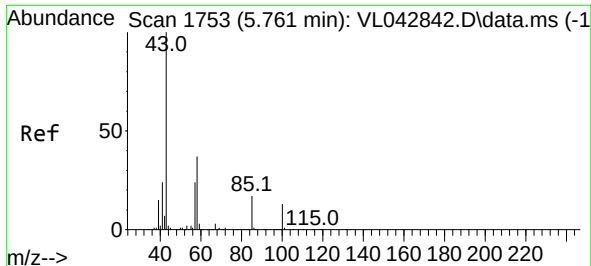
Tgt Ion: 69 Resp: 1043
Ion Ratio Lower Upper
69 100
41 0.0 114.6 172.0#
100 123.6 30.2 45.4#



#44
2,2,4-Trimethylpentane
Concen: 0.056 ppbv
RT: 4.625 min Scan# 1402
Delta R.T. 0.003 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

Tgt Ion: 57 Resp: 3374
Ion Ratio Lower Upper
57 100
41 0.0 24.8 37.2#
56 87.1 25.5 38.3#

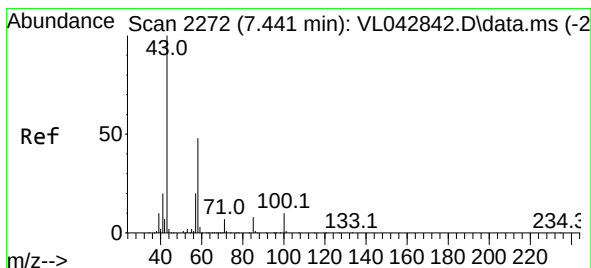
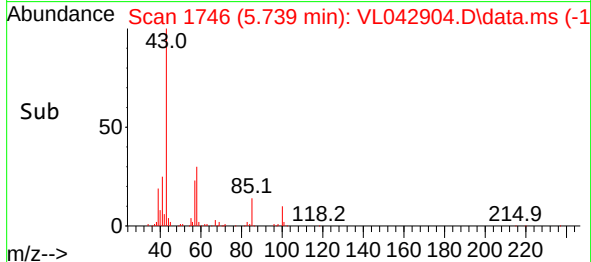
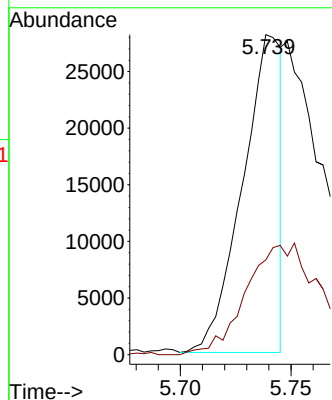
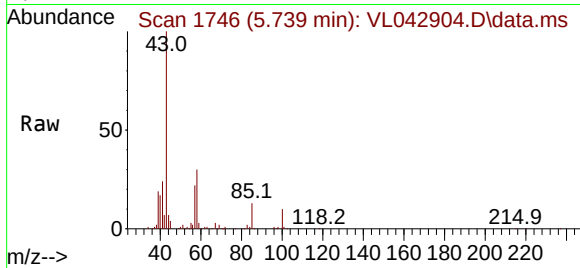




#50
4-Methyl-2-Pentanone
Concen: 1.017 ppbv
RT: 5.739 min Scan# 1753
Delta R.T. 0.009 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

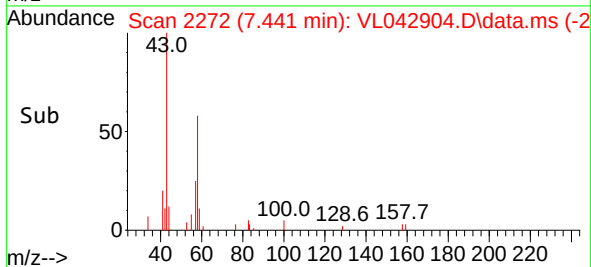
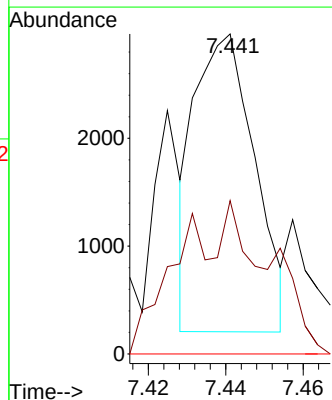
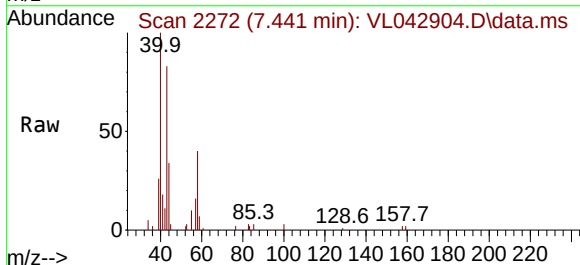
Instrument :
MSVOA_L
ClientSampleId :
IA-2

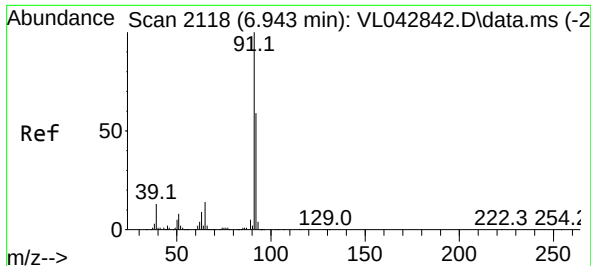
Tgt Ion: 43 Resp: 34197
Ion Ratio Lower Upper
43 100
58 0.0 29.8 44.8#



#51
2-Hexanone
Concen: 0.113 ppbv
RT: 7.441 min Scan# 2272
Delta R.T. 0.022 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

Tgt Ion: 43 Resp: 2979
Ion Ratio Lower Upper
43 100
58 82.6 41.0 61.6#
98 0.0 0.1 0.1#

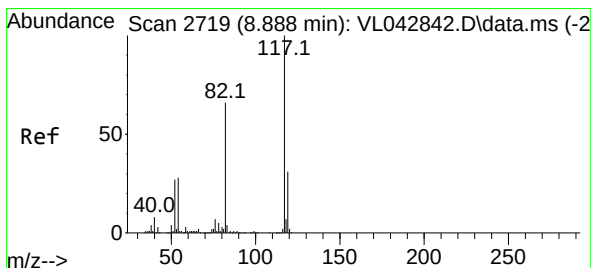
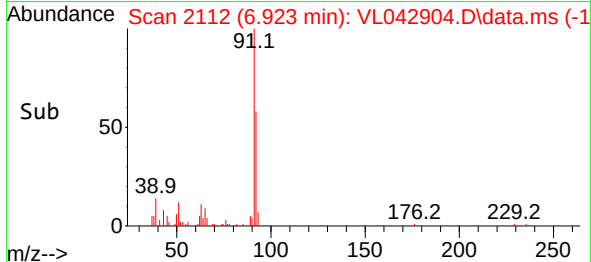
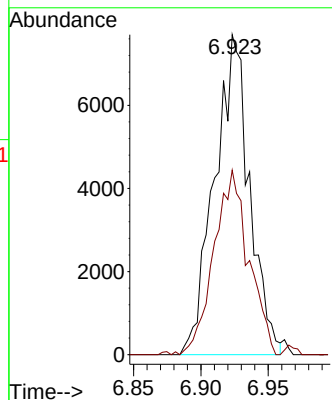
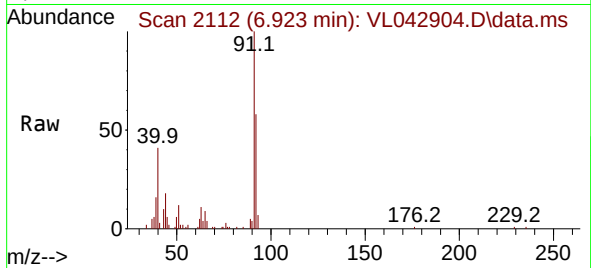




#53
Toluene
Concen: 0.331 ppbv
RT: 6.923 min Scan# 2118
Delta R.T. 0.009 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

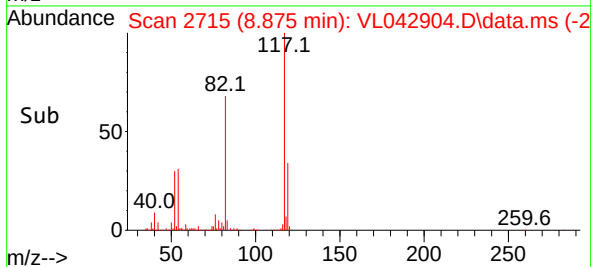
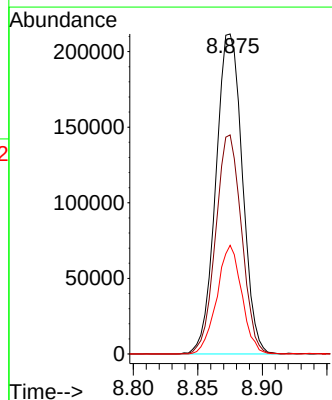
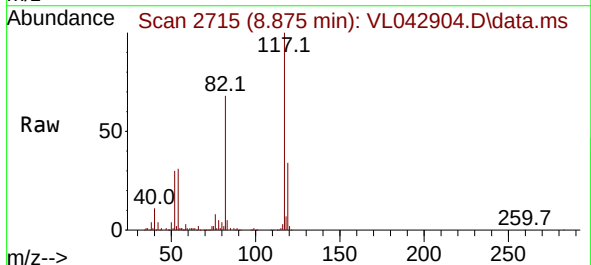
Instrument :
MSVOA_L
ClientSampleId :
IA-2

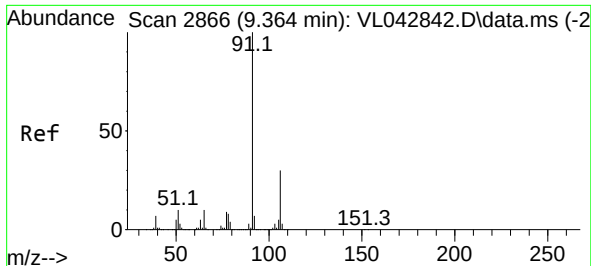
Tgt Ion: 91 Resp: 13909
Ion Ratio Lower Upper
91 100
92 58.3 47.8 71.6



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. 0.006 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

Tgt Ion: 117 Resp: 302216
Ion Ratio Lower Upper
117 100
82 67.0 54.6 81.8
119 32.0 25.9 38.9

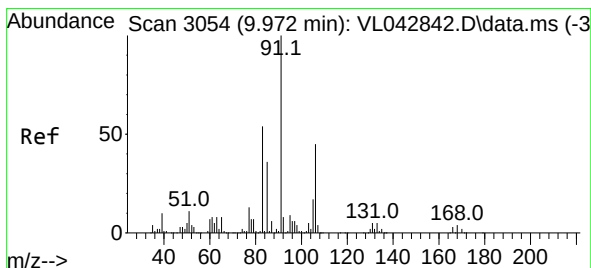
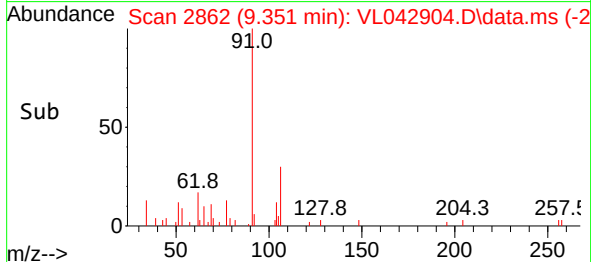
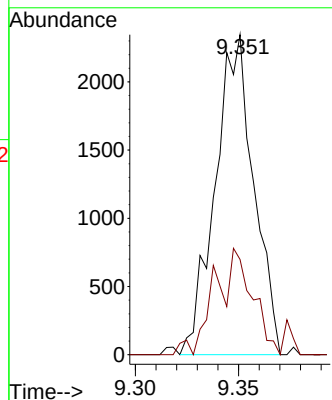
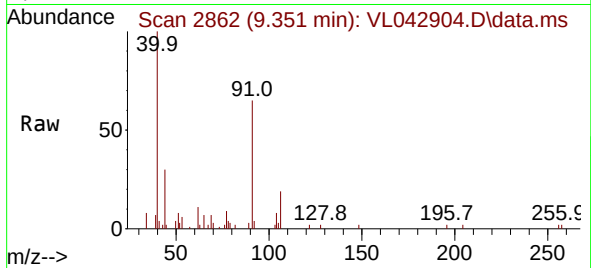




#58
Ethyl Benzene
Concen: 0.057 ppbv
RT: 9.351 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

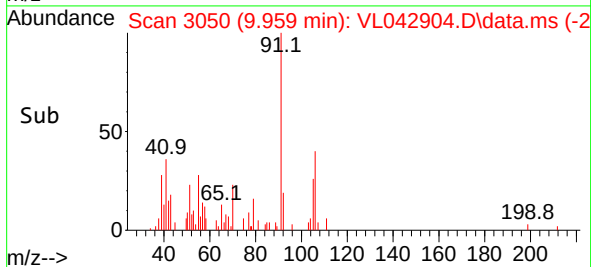
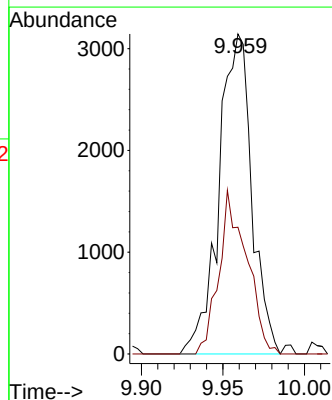
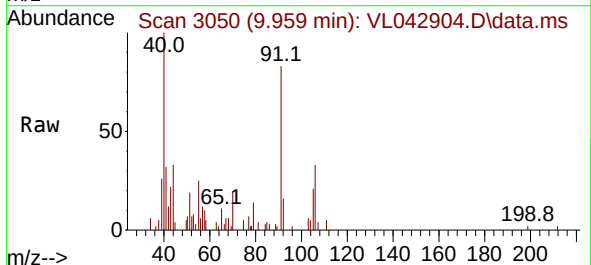
Instrument :
MSVOA_L
ClientSampleId :
IA-2

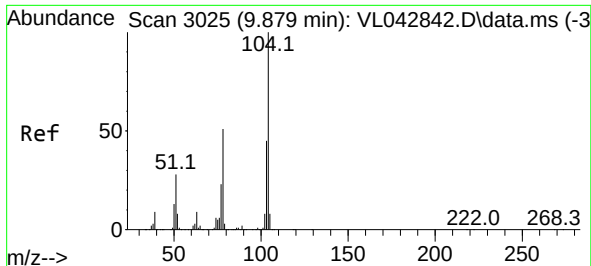
Tgt Ion: 91 Resp: 3051
Ion Ratio Lower Upper
91 100
106 29.8 23.9 35.9



#60
o-Xylene
Concen: 0.105 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. 0.006 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

Tgt Ion: 91 Resp: 4398
Ion Ratio Lower Upper
91 100
106 43.3 21.8 65.4

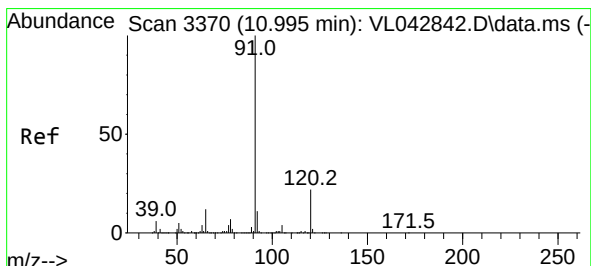
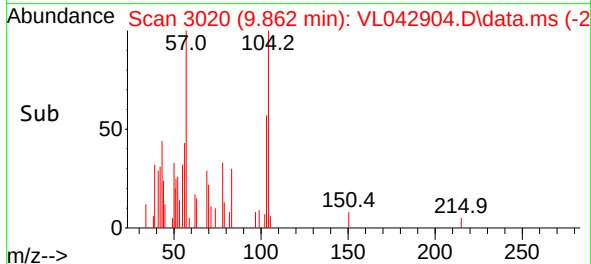
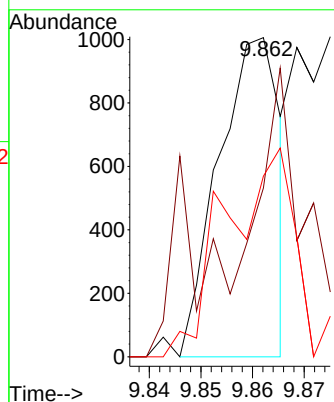
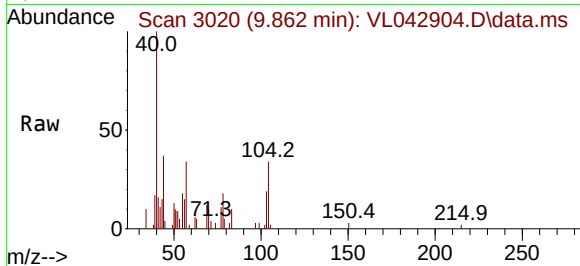




#61
Styrene
Concen: 0.042 ppbv
RT: 9.862 min Scan# 3025
Delta R.T. 0.003 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

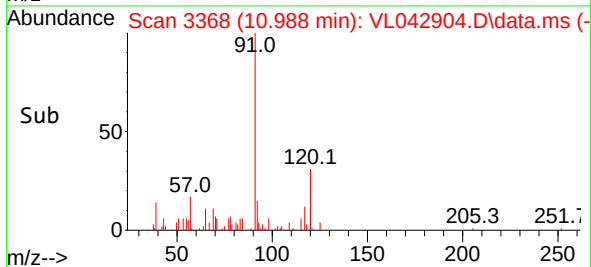
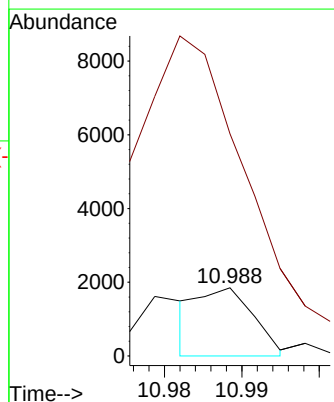
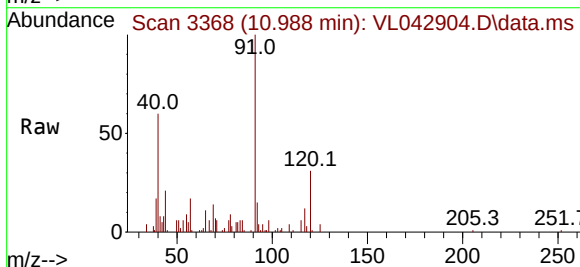
Instrument :
MSVOA_L
ClientSampleId :
IA-2

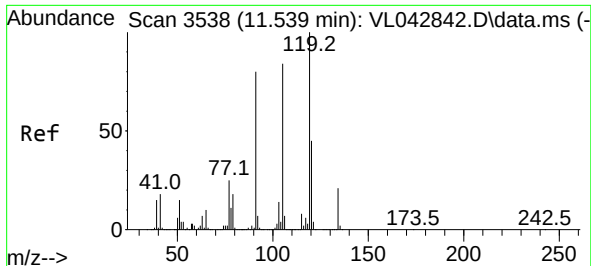
Tgt Ion:104 Resp: 831
Ion Ratio Lower Upper
104 100
78 114.0 40.6 61.0#
103 81.3 37.7 56.5#



#64
n-propylbenzene
Concen: 0.058 ppbv
RT: 10.988 min Scan# 3368
Delta R.T. 0.009 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

Tgt Ion:120 Resp: 910
Ion Ratio Lower Upper
120 100
91 0.0 375.8 563.6#

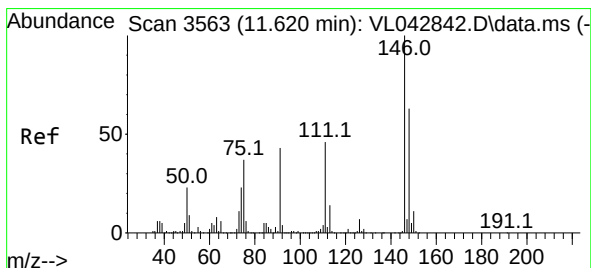
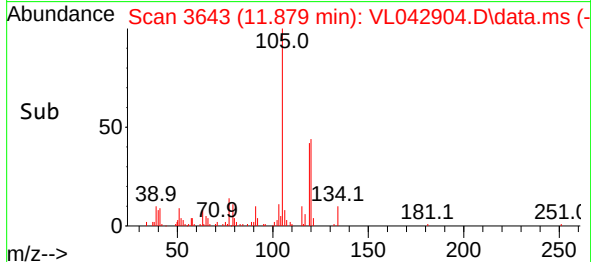
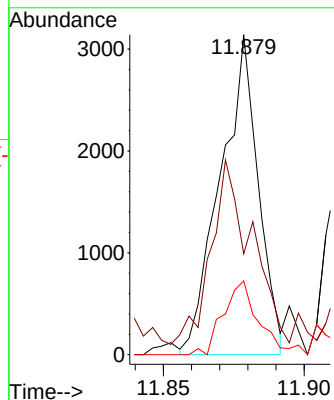
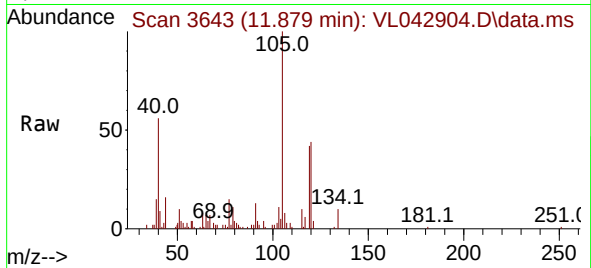




#65
tert-Butylbenzene
Concen: 0.054 ppbv
RT: 11.879 min Scan# 3643
Delta R.T. 0.356 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

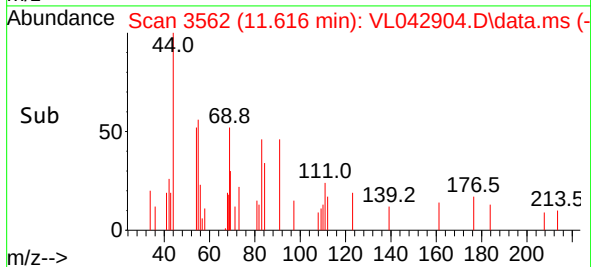
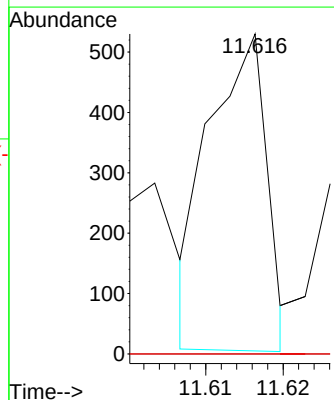
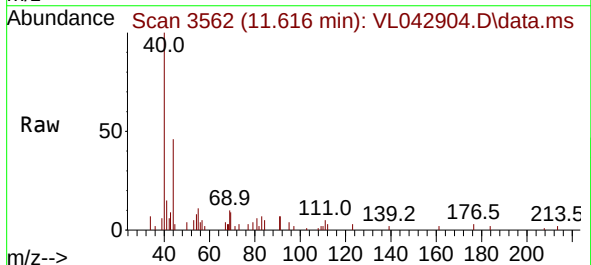
Instrument :
MSVOA_L
ClientSampleId :
IA-2

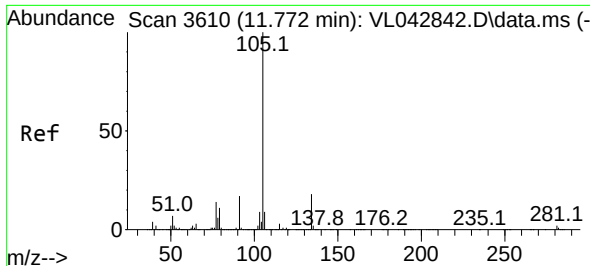
Tgt Ion:119 Resp: 2940
Ion Ratio Lower Upper
119 100
91 71.4 63.9 95.9
134 21.1 17.0 25.4



#66
Benzyl Chloride
Concen: 0.039 ppbv
RT: 11.616 min Scan# 3562
Delta R.T. 0.009 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

Tgt Ion: 91 Resp: 271
Ion Ratio Lower Upper
91 100
126 0.0 14.2 21.4#
128 0.0 5.0 7.6#





#67

sec-Butylbenzene

Concen: 0.046 ppbv

RT: 12.218 min Scan# 3177

Delta R.T. 0.459 min

Lab File: VL042904.D

Acq: 08 Sep 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

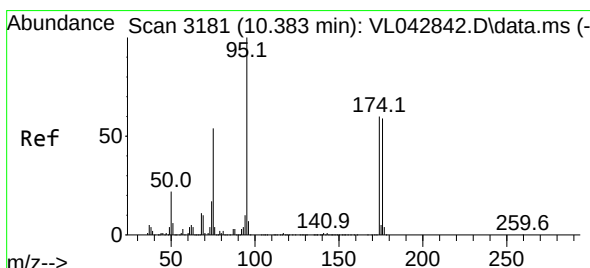
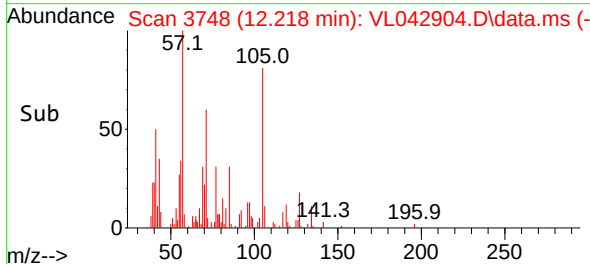
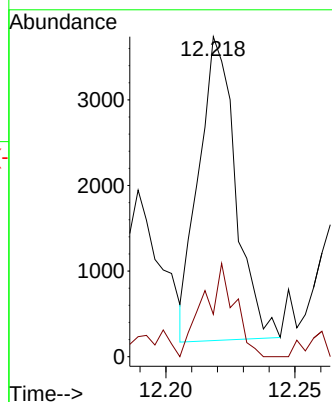
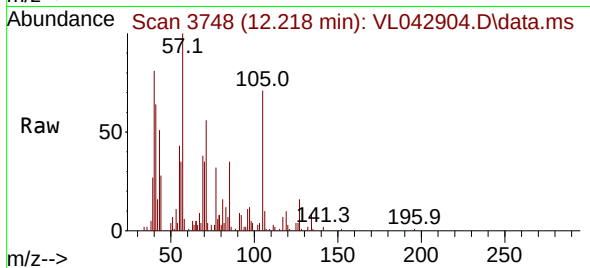
IA-2

Tgt Ion:105 Resp: 3516

Ion Ratio Lower Upper

105 100

134 19.7 14.9 22.3



#68

1-Bromo-4-Fluorobenzene

Concen: 10.432 ppbv

RT: 10.370 min Scan# 3177

Delta R.T. 0.006 min

Lab File: VL042904.D

Acq: 08 Sep 2025 15:15

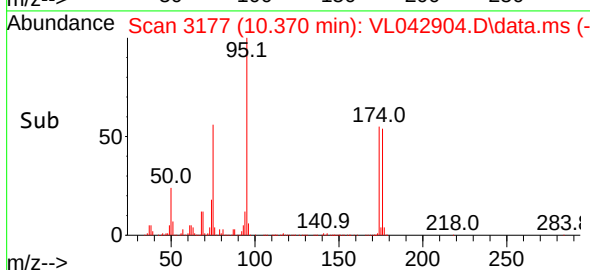
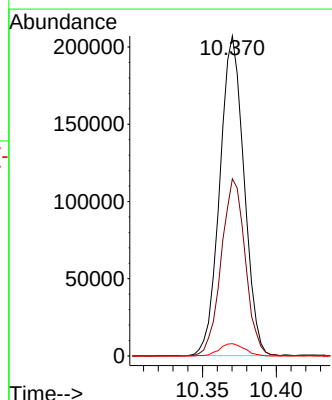
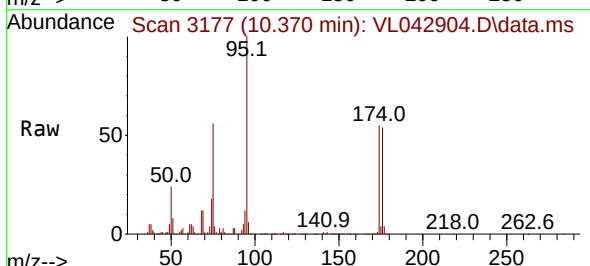
Tgt Ion: 95 Resp: 236452

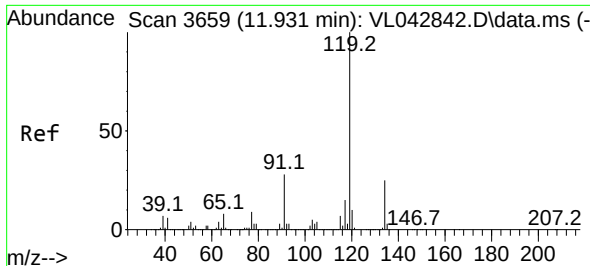
Ion Ratio Lower Upper

95 100

174 55.3 48.4 72.6

175 4.0 3.8 5.8

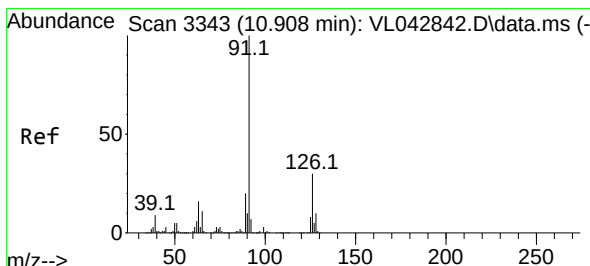
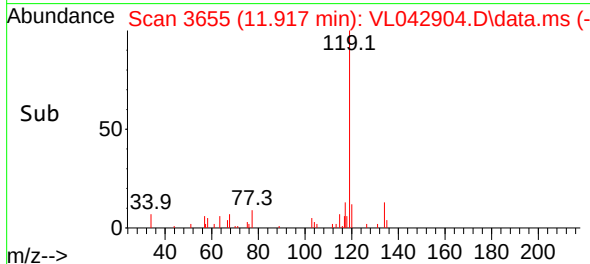
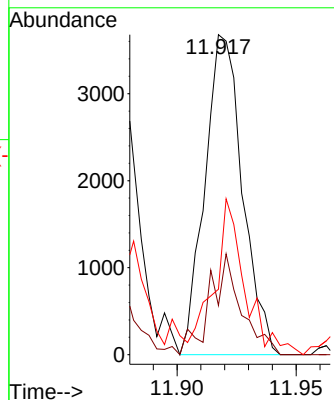
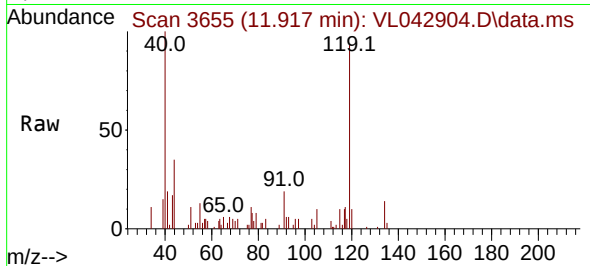




#69
 p-Isopropyltoluene
 Concen: 0.062 ppbv
 RT: 11.917 min Scan# 30
 Delta R.T. -0.000 min
 Lab File: VL042904.D
 Acq: 08 Sep 2025 15:15

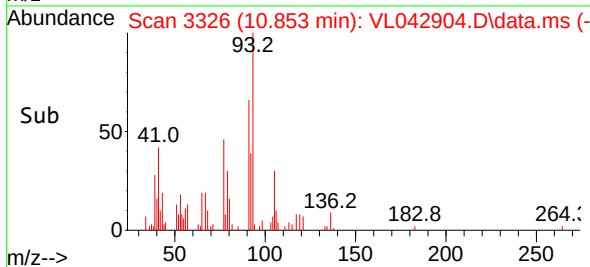
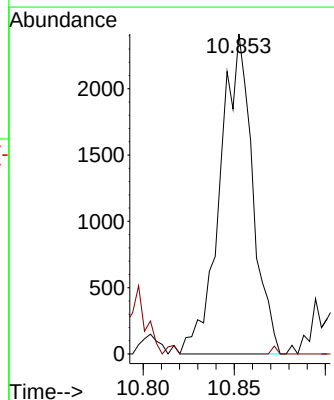
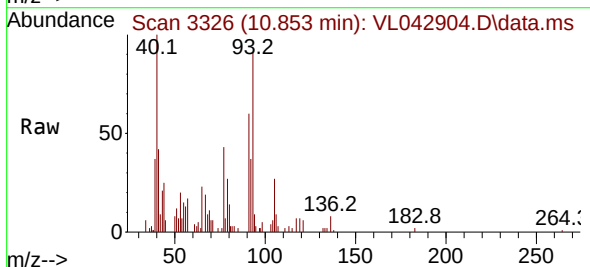
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

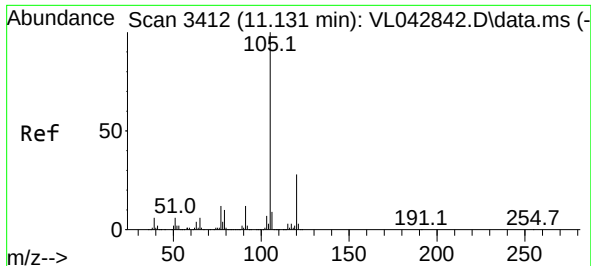
Tgt Ion: 119 Resp: 4040
 Ion Ratio Lower Upper
 119 100
 134 26.4 20.6 30.8
 91 43.3 22.6 34.0#



#71
 2-Chlorotoluene
 Concen: 0.063 ppbv
 RT: 10.853 min Scan# 3326
 Delta R.T. -0.039 min
 Lab File: VL042904.D
 Acq: 08 Sep 2025 15:15

Tgt Ion: 91 Resp: 2992
 Ion Ratio Lower Upper
 91 100
 126 15.2 12.0 47.8

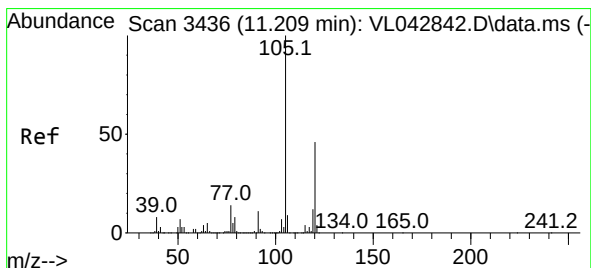
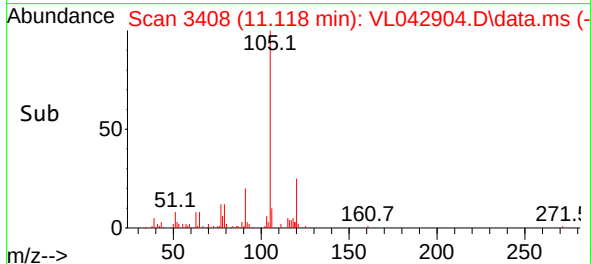
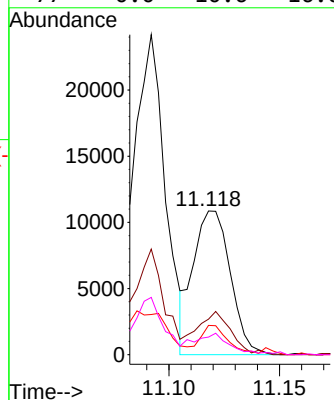
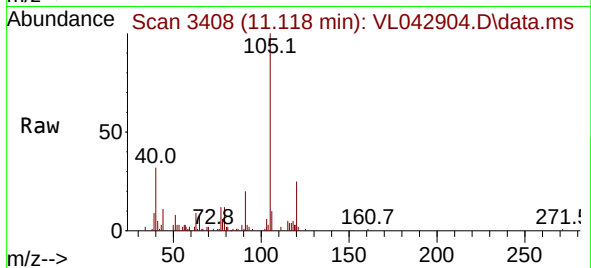




#72
4-Ethyltoluene
Concen: 0.249 ppbv
RT: 11.118 min Scan# 3412
Delta R.T. -0.000 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

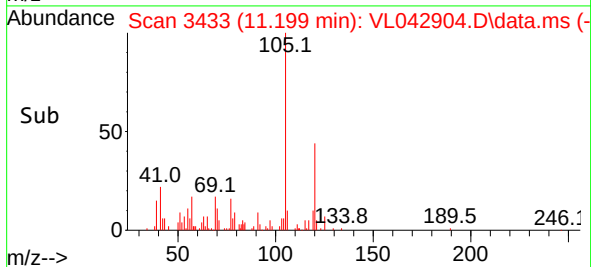
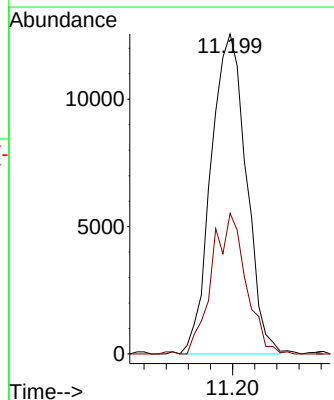
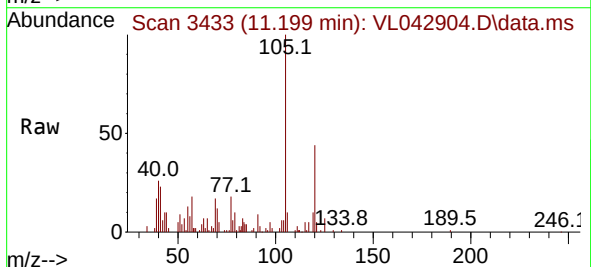
Instrument :
MSVOA_L
ClientSampleId :
IA-2

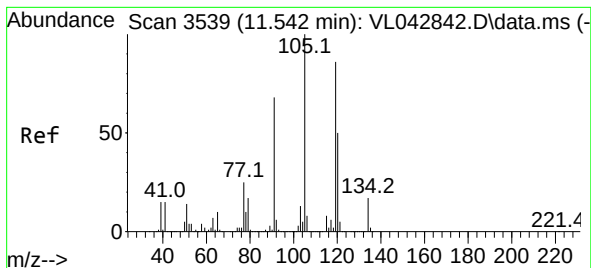
Tgt Ion:105 Resp: 12697
Ion Ratio Lower Upper
105 100
120 0.0 23.4 35.2#
91 14.1 9.8 14.6
77 0.0 10.6 16.0#



#73
1,3,5-Trimethylbenzene
Concen: 0.320 ppbv
RT: 11.199 min Scan# 3433
Delta R.T. 0.003 min
Lab File: VL042904.D
Acq: 08 Sep 2025 15:15

Tgt Ion:105 Resp: 13893
Ion Ratio Lower Upper
105 100
120 44.0 36.6 54.8





#74

1,2,4-Trimethylbenzene

Concen: 1.133 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. 0.003 min

Lab File: VL042904.D

Acq: 08 Sep 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

IA-2

Tgt Ion:105 Resp: 53900

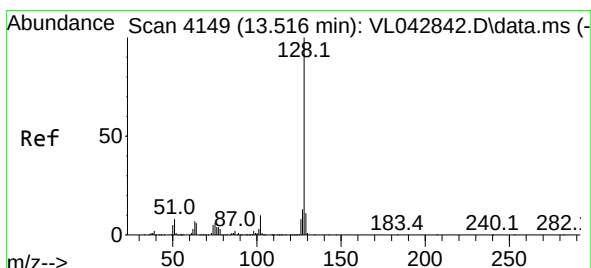
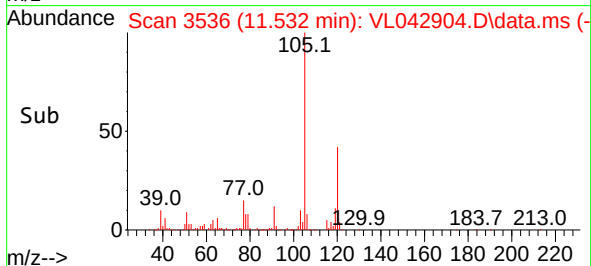
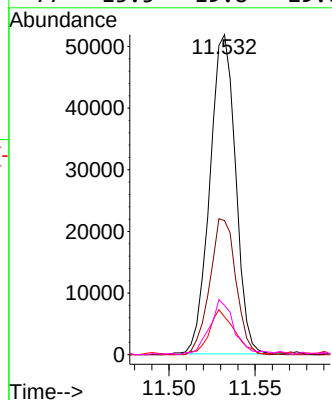
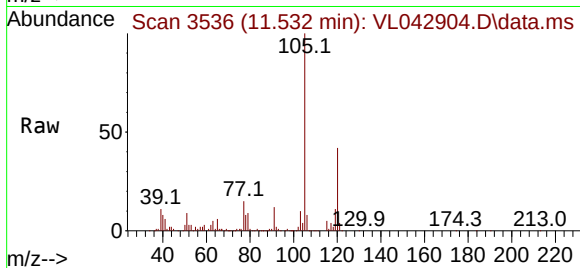
Ion Ratio Lower Upper

105 100

120 42.0 39.8 59.6

91 11.6 54.2 81.4#

77 15.5 19.8 29.6#



#79

Naphthalene

Concen: 0.040 ppbv

RT: 13.513 min Scan# 4148

Delta R.T. 0.009 min

Lab File: VL042904.D

Acq: 08 Sep 2025 15:15

Tgt Ion:128 Resp: 1724

Ion Ratio Lower Upper

128 100

127 14.4 10.6 16.0

129 9.4 8.9 13.3

