

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090825\
 Data File : VL042905.D
 Acq On : 08 Sep 2025 15:59
 Operator : SY/MD
 Sample : Q3037-01DUP
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DUP

Quant Time: Sep 09 00:57:19 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	2.781	49	141221	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	372044	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	303028	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	235889	10.380	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	9819	0.474	ppbv	97
3) Chlorodifluoromethane	1.473	51	86667	3.788	ppbv #	90
4) Chloromethane	1.531	50	8391	1.005	ppbv	100
7) Chloroethane	1.700	64	294	0.092	ppbv #	85
9) Propene	1.884	41	251325	25.438	ppbv	92
10) Heptane	4.965	43	897	0.034	ppbv #	26
11) Trichlorofluoromethane	1.900	101	4801	0.235	ppbv	86
12) 1,1,2-Trichlorotrifluoro...	2.140	101	1202	0.074	ppbv #	82
13) Ethanol	1.719	45	171366	189.695	ppbv	92
15) Acetone	1.832	43	2269673	121.496	ppbv #	76
16) 1,3-Butadiene	1.619	39	5125	0.605	ppbv #	22
17) tert-Butyl alcohol	2.043	59	3792	0.171	ppbv #	1
19) Isopropyl Alcohol	1.884	45	2182649	195.618	ppbv	98
20) Methylene Chloride	2.062	84	8047	1.028	ppbv #	74
21) Allyl Chloride	1.958	41	7443	0.564	ppbv #	23
23) Vinyl Acetate	2.450	43	21178	0.825	ppbv #	86
24) 1,1-Dichloroethane	2.777	63	551	0.033	ppbv #	88
25) Ethyl Acetate	2.832	43	150520	3.329	ppbv #	95
26) Hexane	2.819	57	19030	0.912	ppbv #	1
27) Carbon Disulfide	2.146	76	1070	0.053	ppbv #	43
29) Chloroform	2.845	83	8213	0.276	ppbv	93
31) cis-1,2-Dichloroethene	2.832	61	17577	0.843	ppbv #	23
34) 2-Butanone	2.554	43	27696	1.102	ppbv	97
35) Carbon Tetrachloride	3.755	117	4459	0.174	ppbv #	97
36) Benzene	3.648	78	2959	0.083	ppbv #	81
37) 1,2-Dichloroethane	3.211	62	750	0.040	ppbv #	79
39) 1,2-Dichloropropane	3.949	63	97144	7.466	ppbv #	27
40) 1,4-Dioxane	4.590	88	1112	0.180	ppbv #	22
41) Tetrahydrofuran	3.052	42	1132	0.081	ppbv #	66
43) Methyl Methacrylate	4.868	69	1057	0.072	ppbv #	1
50) 4-Methyl-2-Pentanone	5.745	43	68077	2.005	ppbv	99
51) 2-Hexanone	7.438	43	4166	0.156	ppbv #	97
53) Toluene	6.927	91	6220	0.147	ppbv #	1
58) Ethyl Benzene	9.348	91	2812	0.053	ppbv #	85
59) m/p-Xylene	9.545	91	1627	0.039	ppbv #	100
60) o-Xylene	9.959	91	4723	0.112	ppbv	87
61) Styrene	9.866	104	1409	0.071	ppbv #	60
62) Isopropylbenzene	10.529	105	1966	0.032	ppbv	98
64) n-propylbenzene	10.989	120	589	0.037	ppbv #	1
65) tert-Butylbenzene	11.532	119	5846	0.108	ppbv #	47
67) sec-Butylbenzene	11.759	105	2374	0.031	ppbv #	48
69) p-Isopropyltoluene	11.921	119	4177	0.064	ppbv #	81
72) 4-Ethyltoluene	11.121	105	12693	0.248	ppbv #	56

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090825\
Data File : VL042905.D
Acq On : 08 Sep 2025 15:59
Operator : SY/MD
Sample : Q3037-01DUP
Misc :
ALS Vial : 1 Sample Multiplier: 1

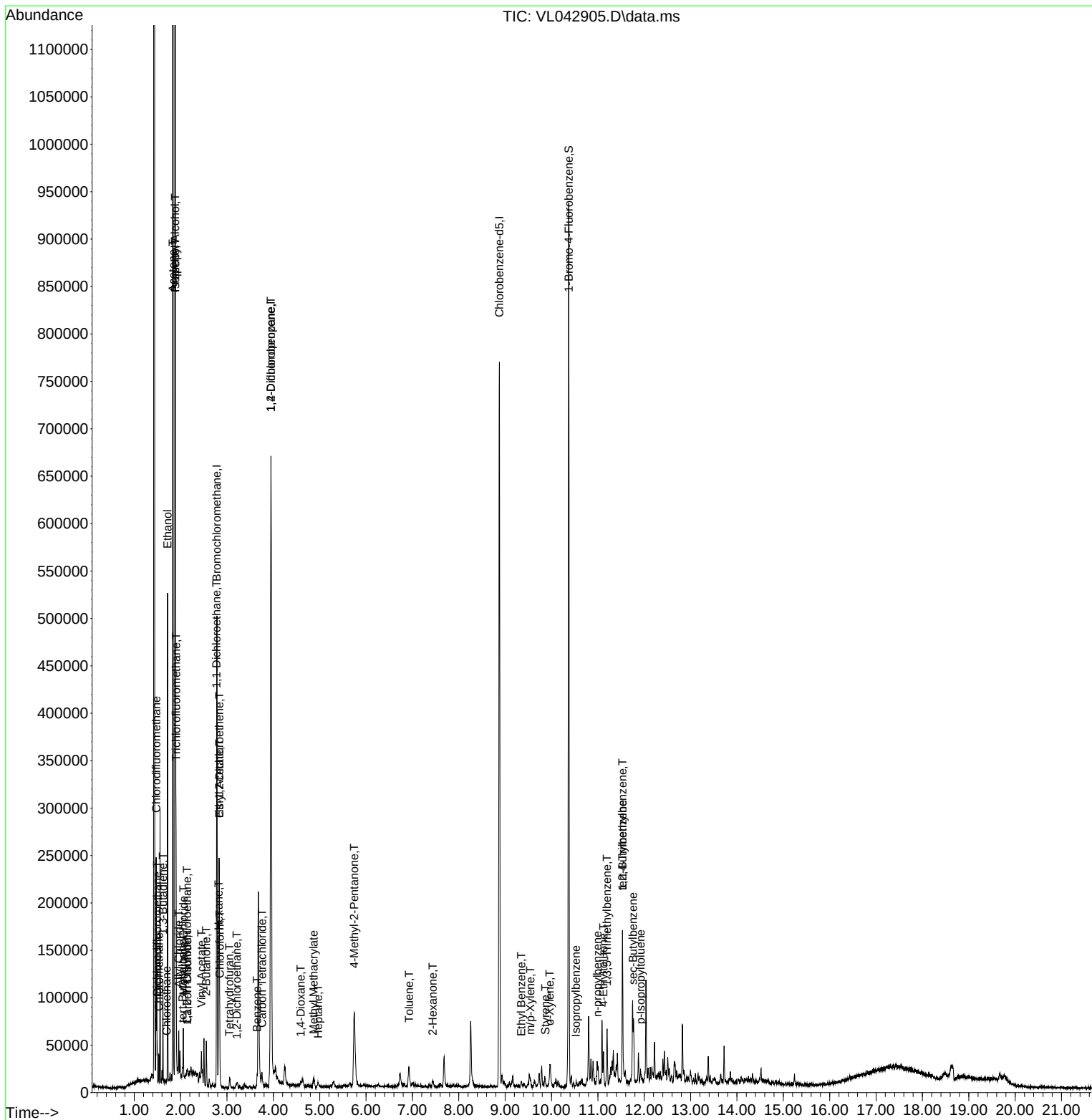
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP

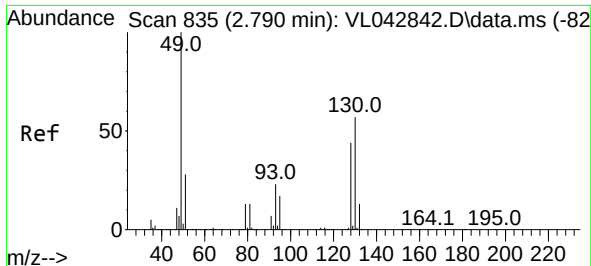
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Sep 09 00:52:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	11.196	105	14080	0.324	ppbv #	84
74) 1,2,4-Trimethylbenzene	11.532	105	53636	1.124	ppbv #	59

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

Quant Time: Sep 09 00:57:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Sep 09 00:52:26 2025
Response via : Initial Calibration

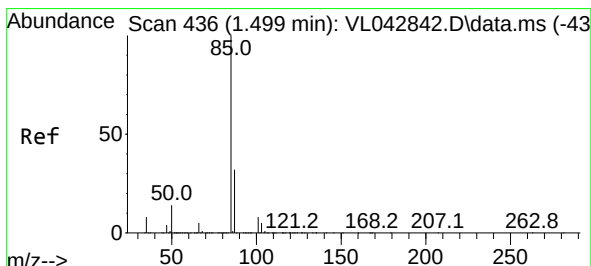
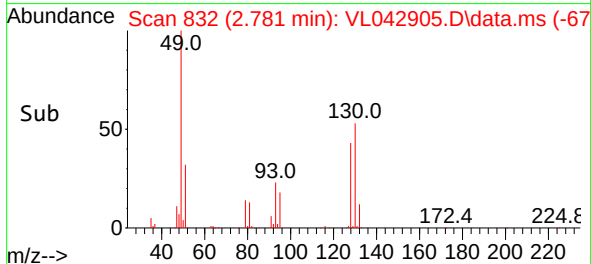
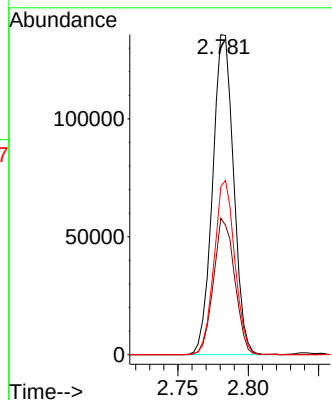
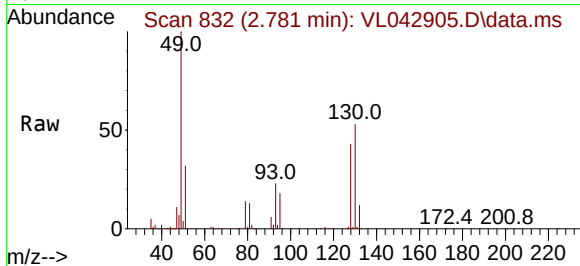




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.781 min Scan# 81
 Delta R.T. 0.004 min
 Lab File: VL042905.D
 Acq: 08 Sep 2025 15:59

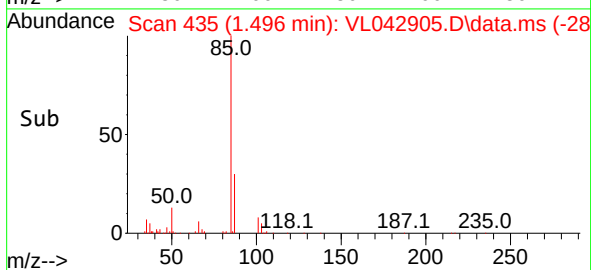
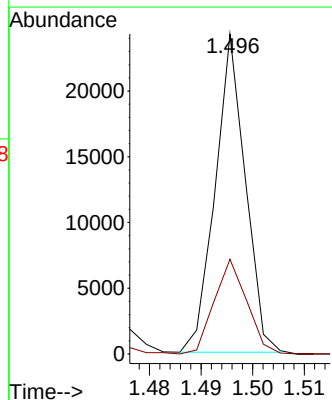
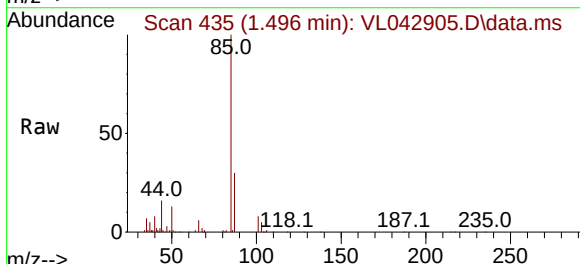
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DUP

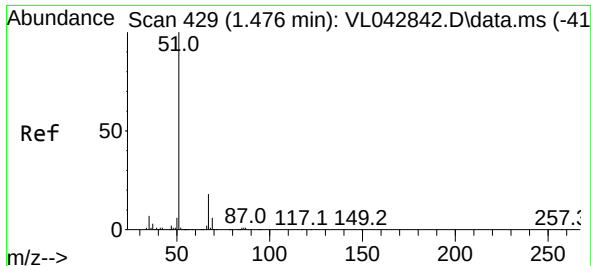
Tgt Ion: 49 Resp: 141221
 Ion Ratio Lower Upper
 49 100
 128 42.8 23.7 71.1
 130 53.7 30.6 91.6



#2
 Dichlorodifluoromethane
 Concen: 0.474 ppbv
 RT: 1.496 min Scan# 435
 Delta R.T. 0.003 min
 Lab File: VL042905.D
 Acq: 08 Sep 2025 15:59

Tgt Ion: 85 Resp: 9819
 Ion Ratio Lower Upper
 85 100
 87 29.8 25.3 37.9

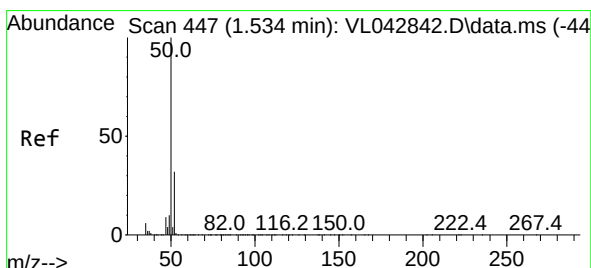
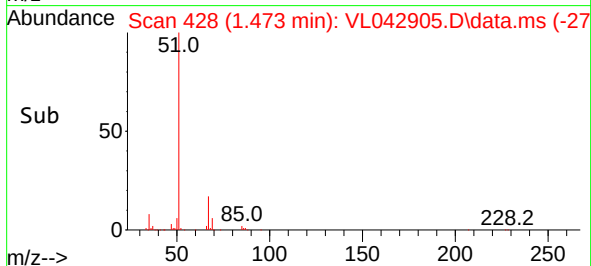
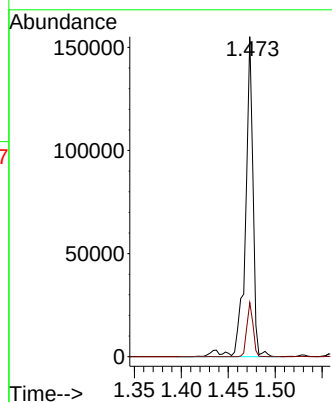
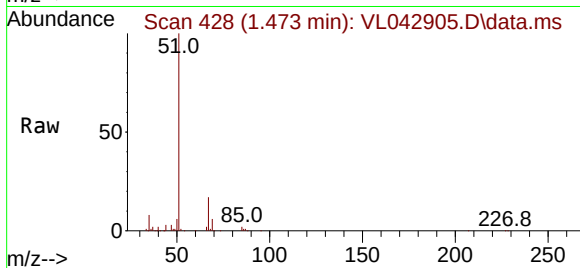




#3
Chlorodifluoromethane
Concen: 3.788 ppbv
RT: 1.473 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

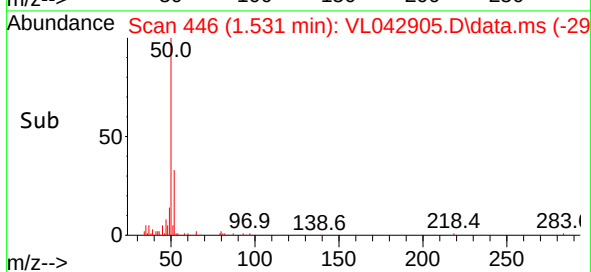
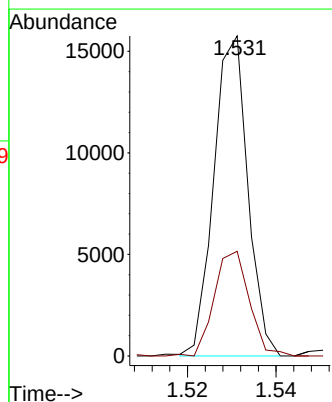
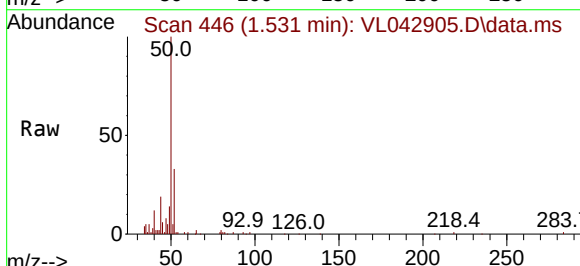
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP

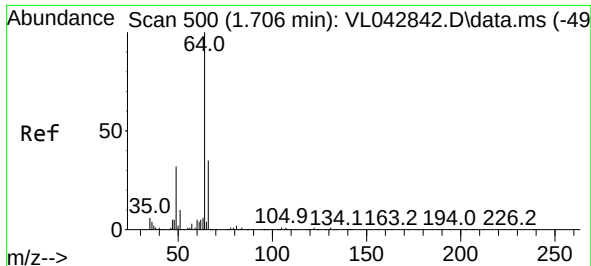
Tgt Ion: 51 Resp: 86667
Ion Ratio Lower Upper
51 100
67 14.0 14.9 22.3#



#4
Chloromethane
Concen: 1.005 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.003 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

Tgt Ion: 50 Resp: 8391
Ion Ratio Lower Upper
50 100
52 32.2 25.9 38.9

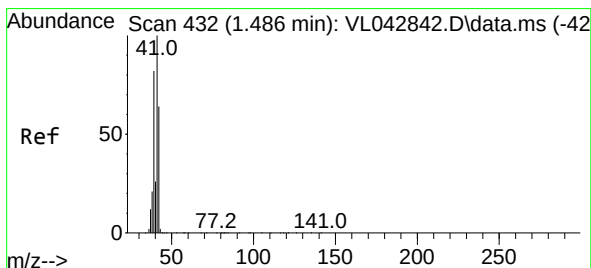
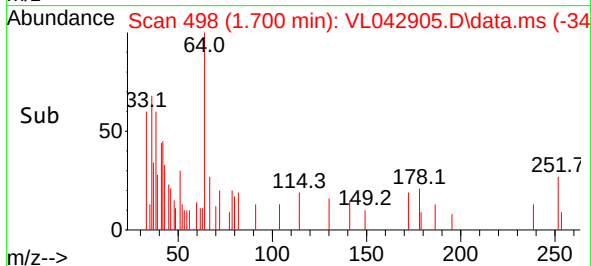
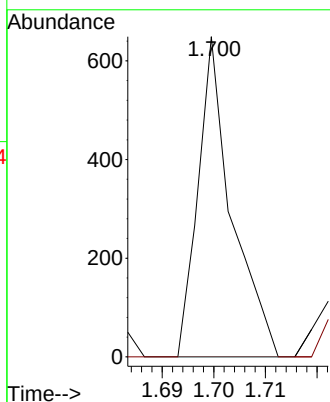
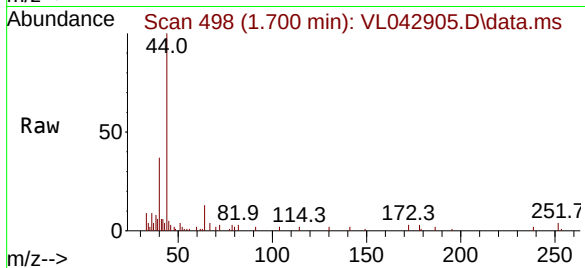




#7
Chloroethane
Concen: 0.092 ppbv
RT: 1.700 min Scan# 498
Delta R.T. -0.000 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

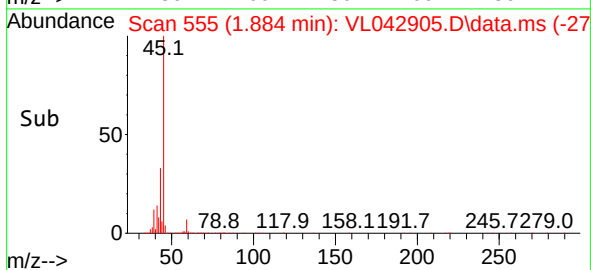
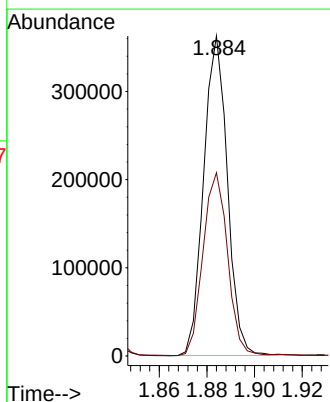
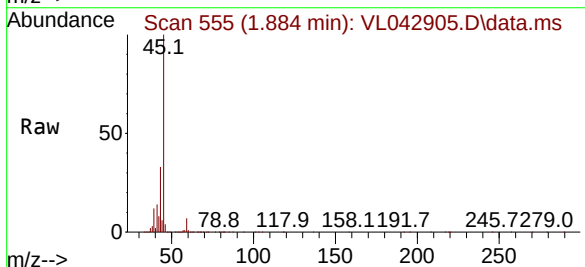
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MSVOA_L
ClientSampleId :
IA-2DUP

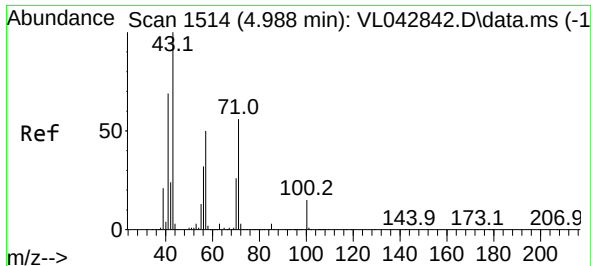
Tgt Ion: 64 Resp: 294
Ion Ratio Lower Upper
64 100
66 27.1 28.6 42.8#



#9
Propene
Concen: 25.438 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.408 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

Tgt Ion: 41 Resp: 251325
Ion Ratio Lower Upper
41 100
42 59.5 53.0 79.4

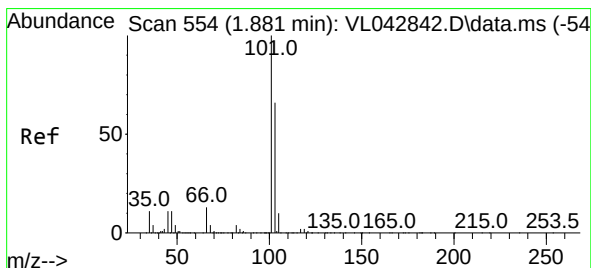
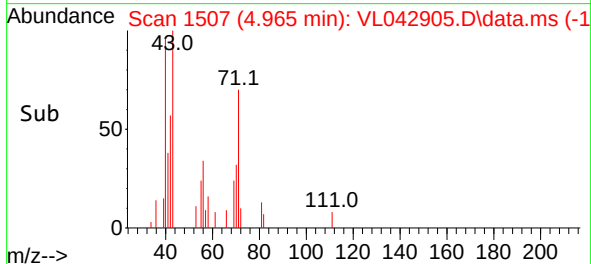
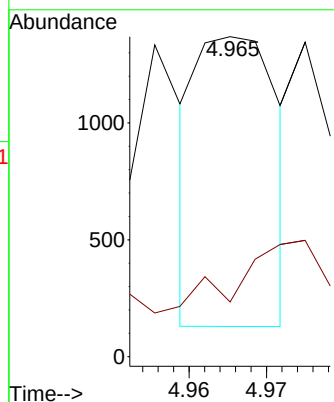
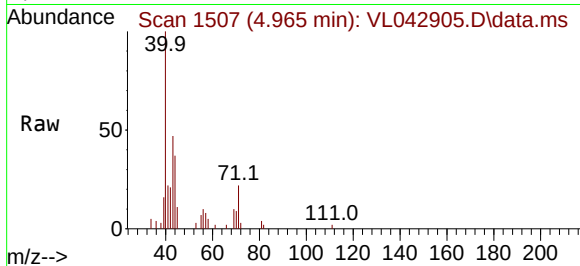




#10
 Heptane
 Concen: 0.034 ppbv
 RT: 4.965 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VL042905.D
 Acq: 08 Sep 2025 15:59

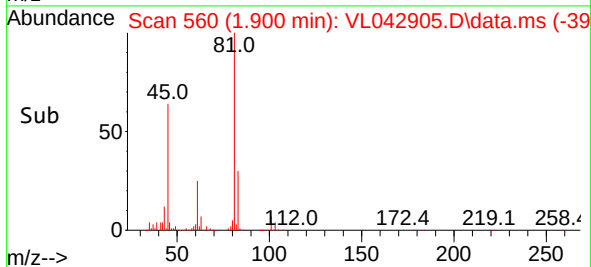
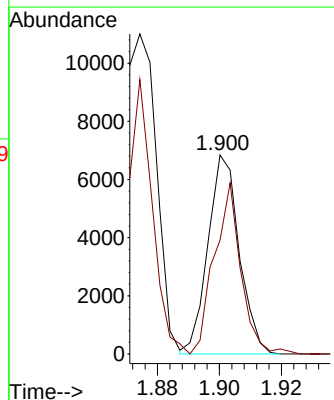
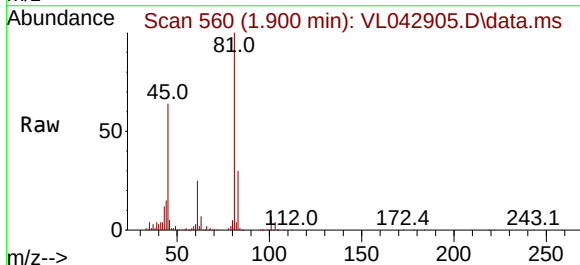
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 IA-2DUP

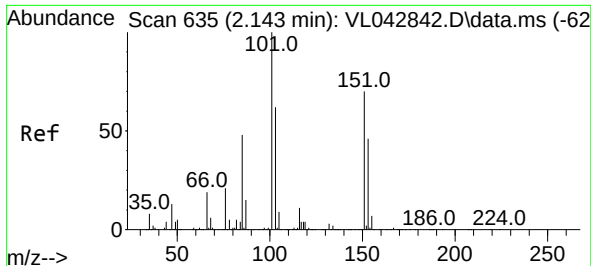
Tgt Ion: 43 Resp: 897
 Ion Ratio Lower Upper
 43 100
 57 0.0 41.4 62.0#



#11
 Trichlorofluoromethane
 Concen: 0.235 ppbv
 RT: 1.900 min Scan# 560
 Delta R.T. 0.029 min
 Lab File: VL042905.D
 Acq: 08 Sep 2025 15:59

Tgt Ion: 101 Resp: 4801
 Ion Ratio Lower Upper
 101 100
 103 54.7 52.5 78.7





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.074 ppbv

RT: 2.140 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL042905.D

Acq: 08 Sep 2025 15:59

Instrument :

MSVOA_L

ClientSampleId :

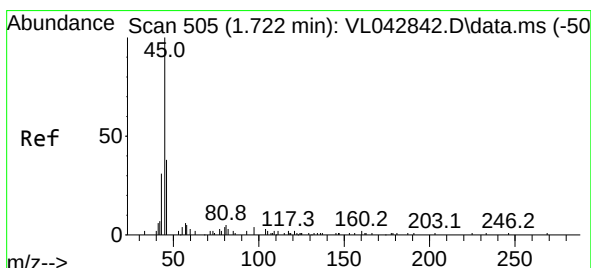
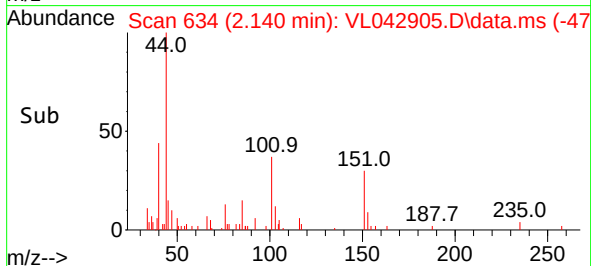
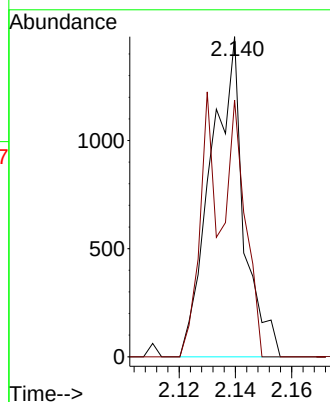
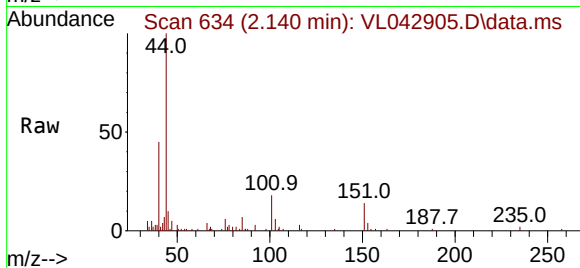
IA-2DUP

Tgt Ion:101 Resp: 1202

Ion Ratio Lower Upper

101 100

151 85.3 56.4 84.6#



#13

Ethanol

Concen: 189.695 ppbv

RT: 1.719 min Scan# 504

Delta R.T. 0.003 min

Lab File: VL042905.D

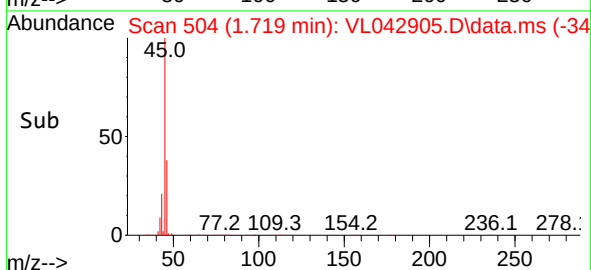
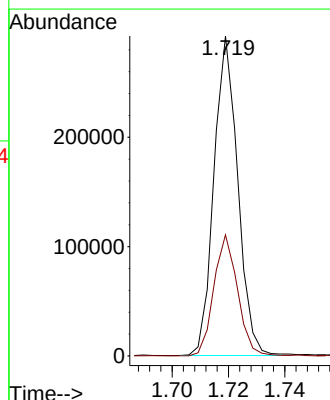
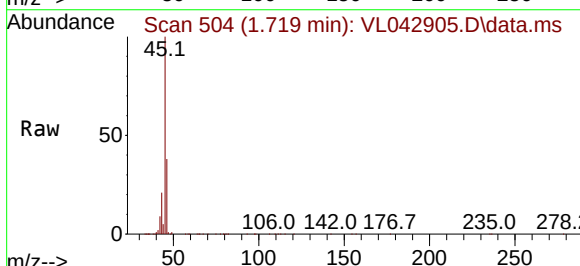
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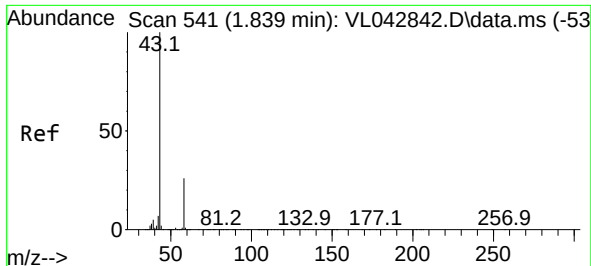
Tgt Ion: 45 Resp: 171366

Ion Ratio Lower Upper

45 100

46 38.4 17.5 69.9

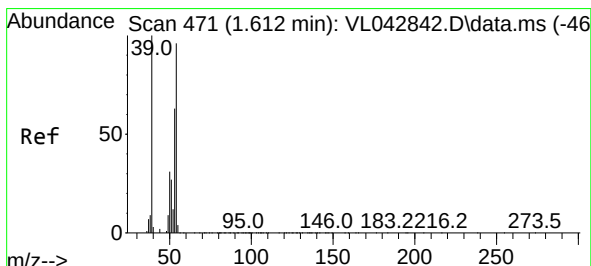
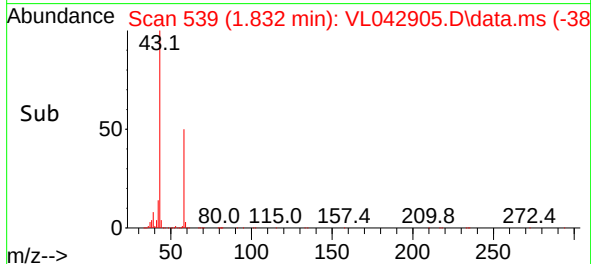
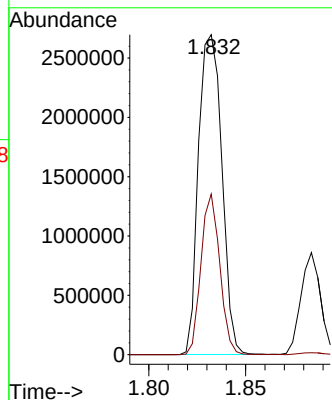
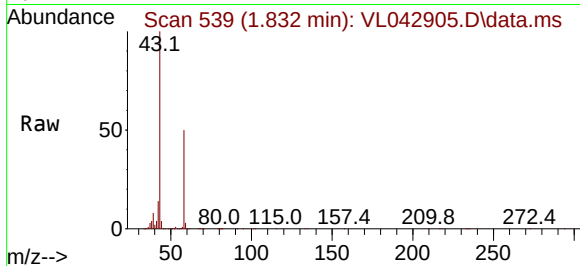




#15
Acetone
Concen: 121.496 ppbv
RT: 1.832 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

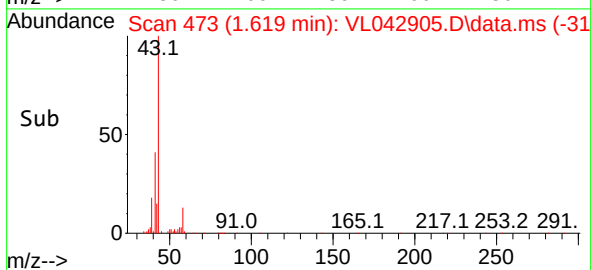
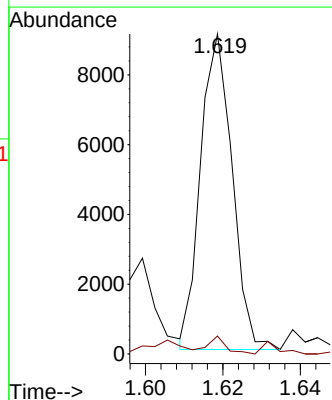
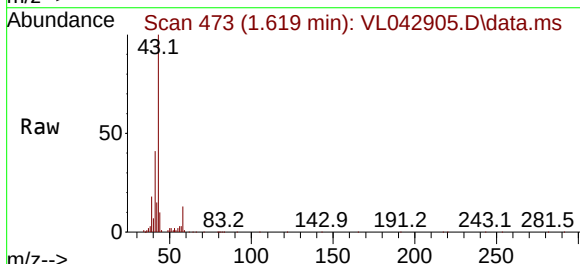
Instrument :
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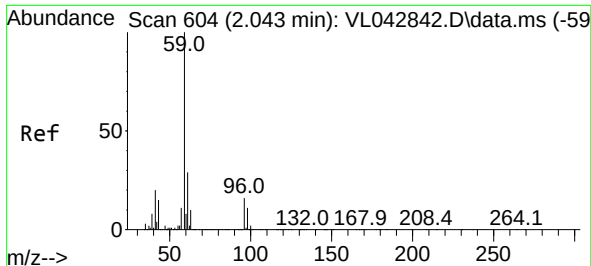
Tgt Ion: 43 Resp: 2269673
Ion Ratio Lower Upper
43 100
58 40.4 22.4 33.6#



#16
1,3-Butadiene
Concen: 0.605 ppbv
RT: 1.619 min Scan# 473
Delta R.T. 0.016 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

Tgt Ion: 39 Resp: 5125
Ion Ratio Lower Upper
39 100
54 10.8 63.6 95.4#

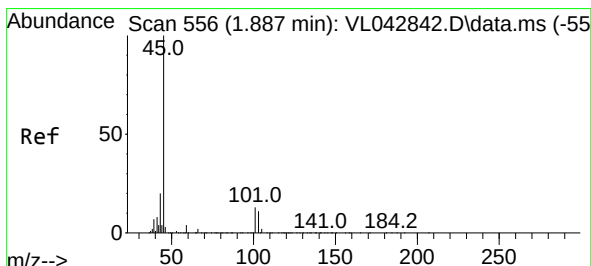
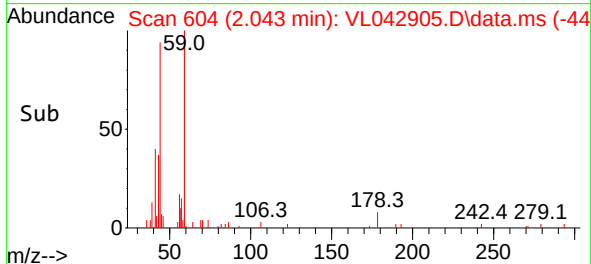
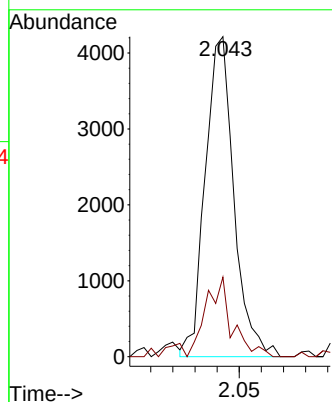
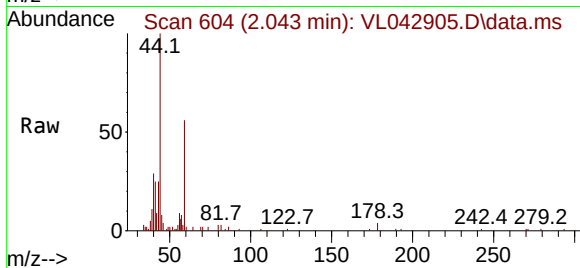




#17
tert-Butyl alcohol
Concen: 0.171 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.010 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

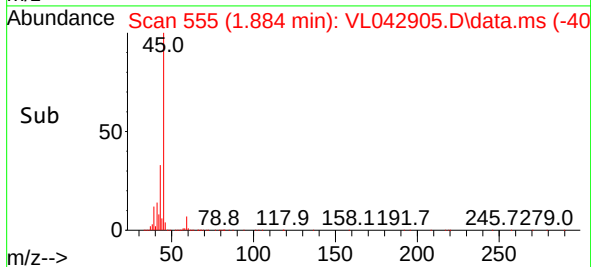
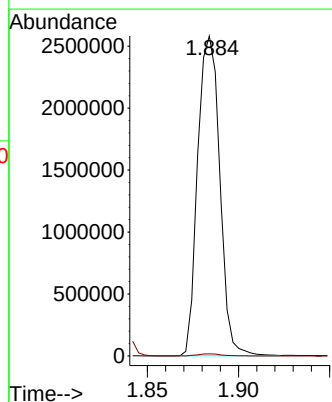
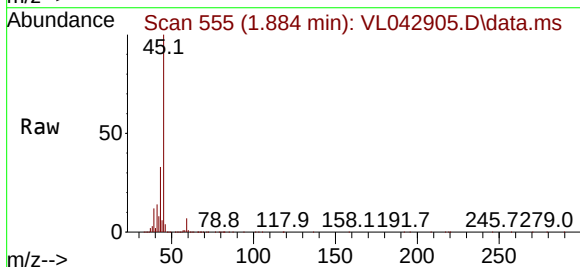
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP

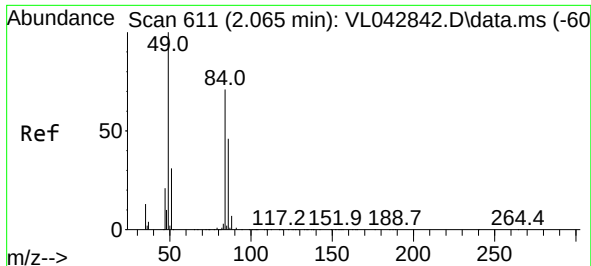
Tgt Ion: 59 Resp: 3792
Ion Ratio Lower Upper
59 100
57 52.6 9.0 13.4#



#19
Isopropyl Alcohol
Concen: 195.618 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

Tgt Ion: 45 Resp: 2182649
Ion Ratio Lower Upper
45 100
58 42.0 32.7 49.1

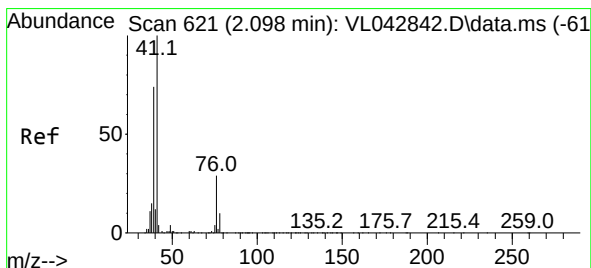
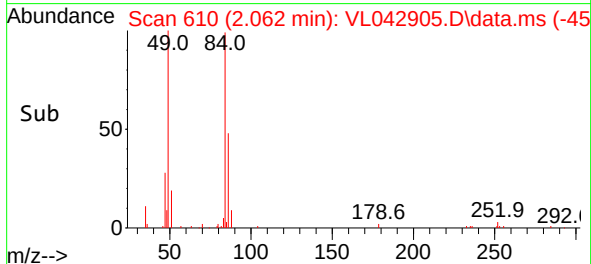
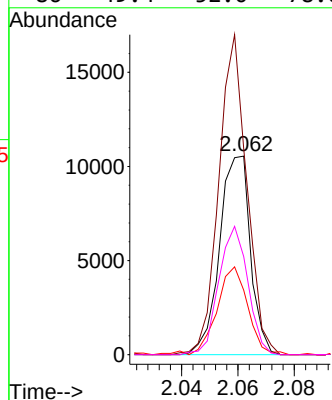
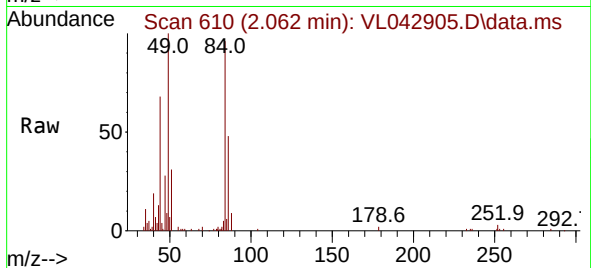




#20
Methylene Chloride
Concen: 1.028 ppbv
RT: 2.062 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

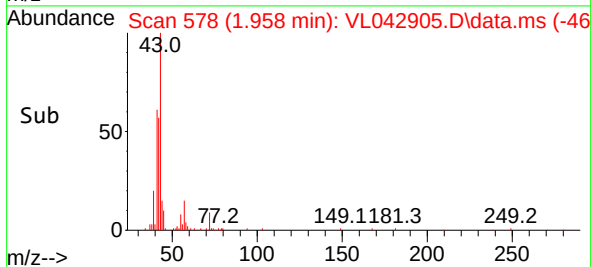
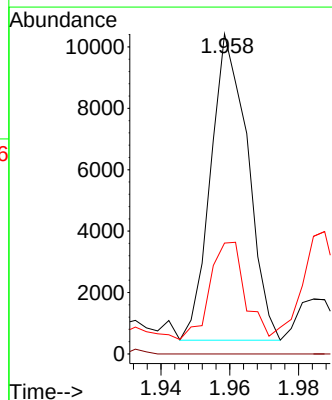
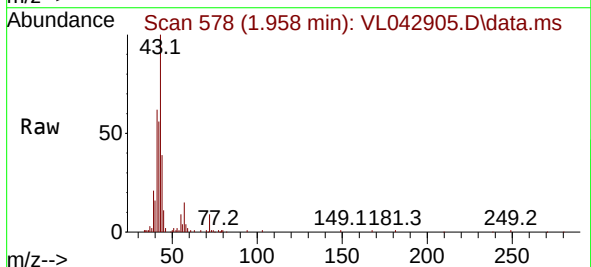
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP

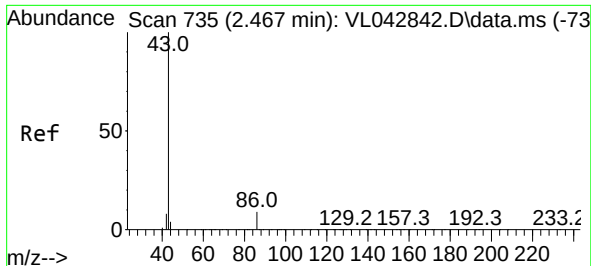
Tgt Ion: 84 Resp: 8047
Ion Ratio Lower Upper
84 100
49 102.7 112.3 168.5#
51 30.7 36.0 54.0#
86 49.4 52.0 78.0#



#21
Allyl Chloride
Concen: 0.564 ppbv
RT: 1.958 min Scan# 578
Delta R.T. -0.130 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

Tgt Ion: 41 Resp: 7443
Ion Ratio Lower Upper
41 100
76 1.3 23.9 35.9#
39 0.0 57.8 86.6#

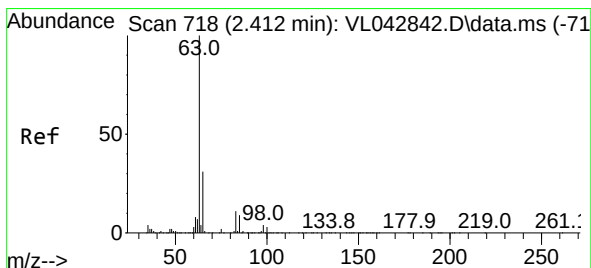
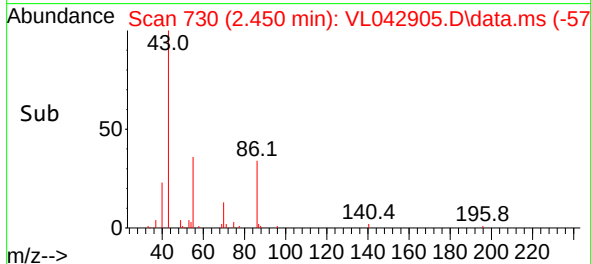
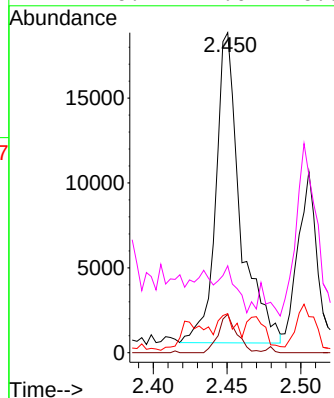
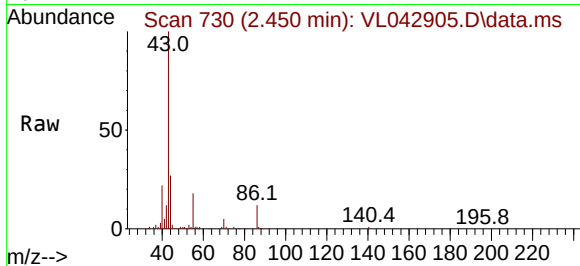




#23
 Vinyl Acetate
 Concen: 0.825 ppbv
 RT: 2.450 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VL042905.D
 Acq: 08 Sep 2025 15:59

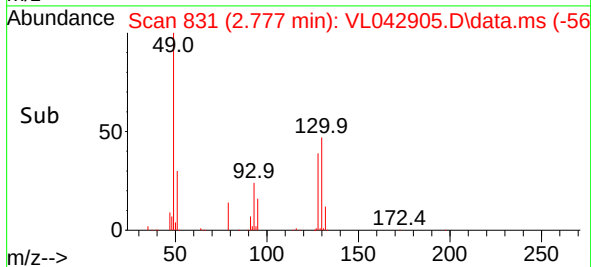
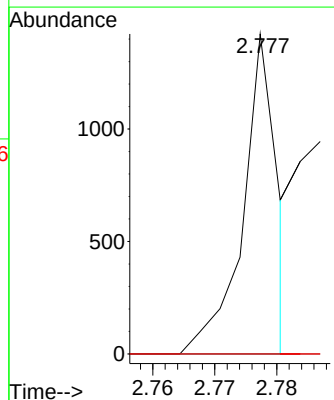
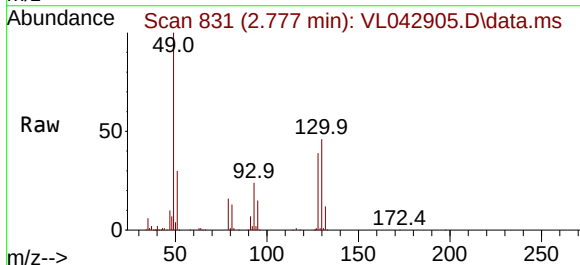
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DUP

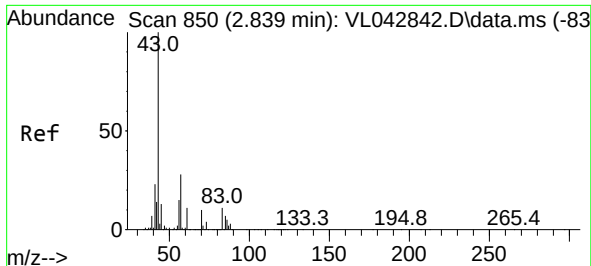
Tgt Ion:	43	Resp:	21178
Ion	Ratio	Lower	Upper
43	100		
86	12.4	6.6	9.8#
42	10.6	7.0	10.6#
44	16.2	4.0	6.0#



#24
 1,1-Dichloroethane
 Concen: 0.033 ppbv
 RT: 2.777 min Scan# 831
 Delta R.T. 0.375 min
 Lab File: VL042905.D
 Acq: 08 Sep 2025 15:59

Tgt Ion:	63	Resp:	551
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.1	6.5#
100	0.0	1.7	5.1#

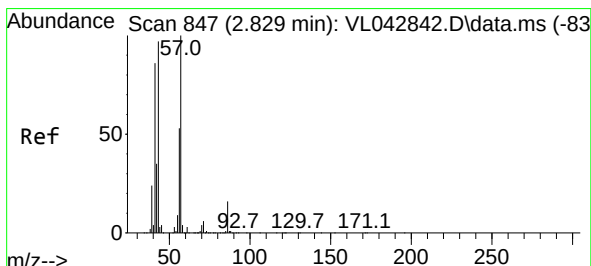
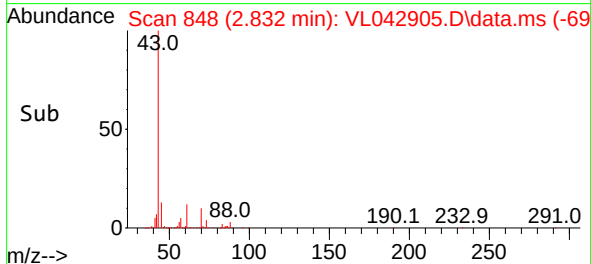
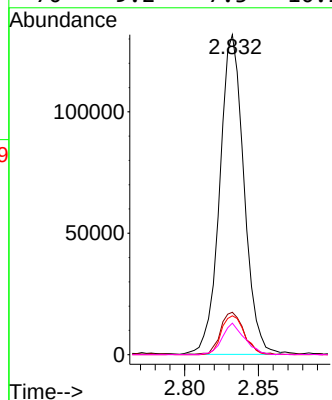
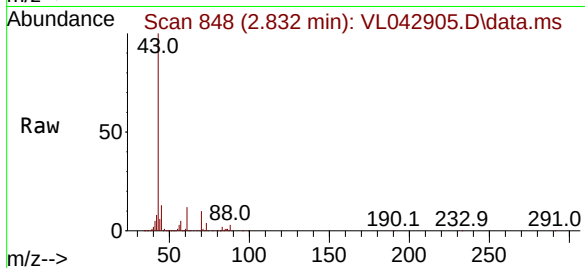




#25
Ethyl Acetate
Concen: 3.329 ppbv
RT: 2.832 min Scan# 844
Delta R.T. 0.006 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

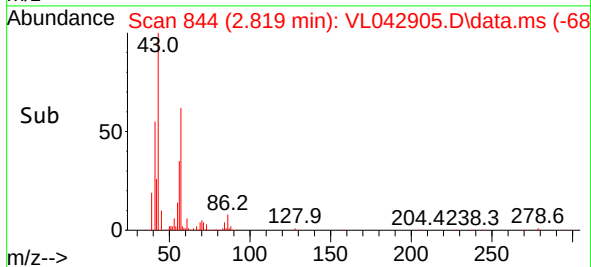
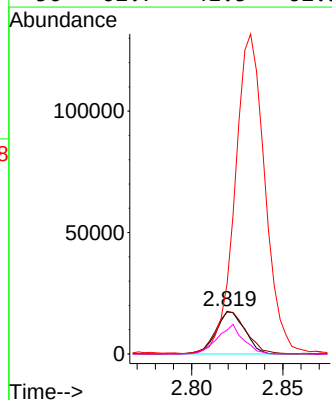
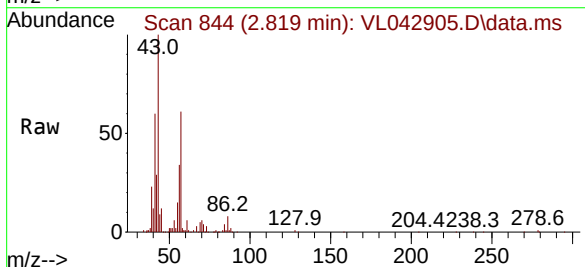
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP

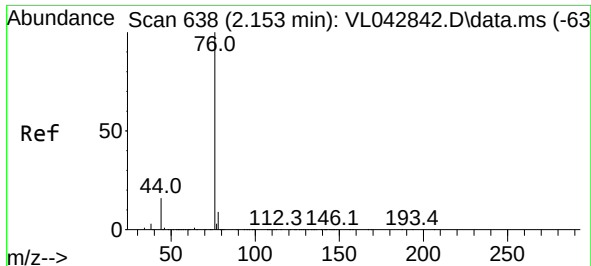
Tgt Ion:	43	Resp:	150520
Ion	Ratio	Lower	Upper
43	100		
45	12.7	8.1	12.1#
61	11.7	7.4	11.2#
70	9.2	7.3	10.9



#26
Hexane
Concen: 0.912 ppbv
RT: 2.819 min Scan# 844
Delta R.T. 0.003 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

Tgt Ion:	57	Resp:	19030
Ion	Ratio	Lower	Upper
57	100		
41	110.0	68.6	103.0#
43	793.6	168.5	252.7#
56	62.7	41.5	62.3#





#27

Carbon Disulfide

Concen: 0.053 ppbv

RT: 2.146 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL042905.D

Acq: 08 Sep 2025 15:59

Instrument :

MSVOA_L

ClientSampleId :

IA-2DUP

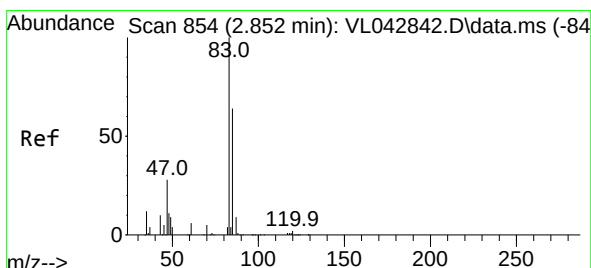
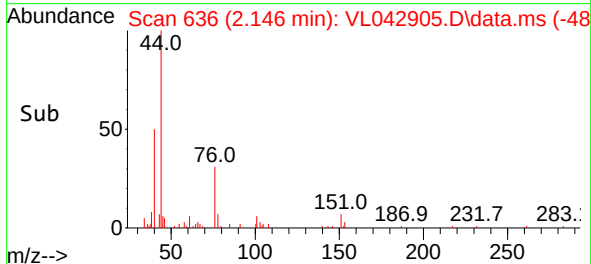
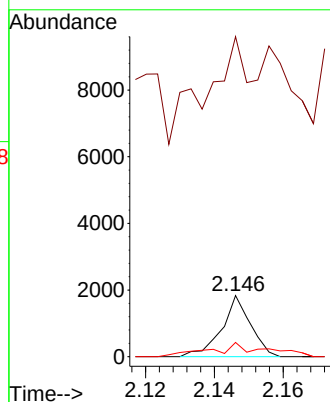
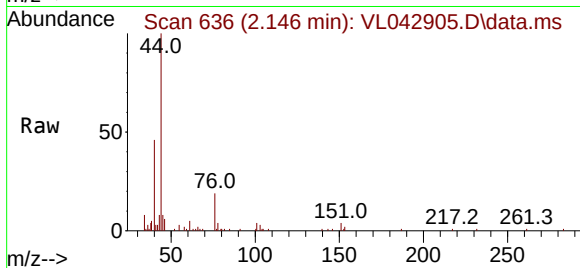
Tgt Ion: 76 Resp: 1070

Ion Ratio Lower Upper

76 100

44 0.0 15.9 23.9#

78 42.5 9.5 14.3#



#29

Chloroform

Concen: 0.276 ppbv

RT: 2.845 min Scan# 852

Delta R.T. 0.006 min

Lab File: VL042905.D

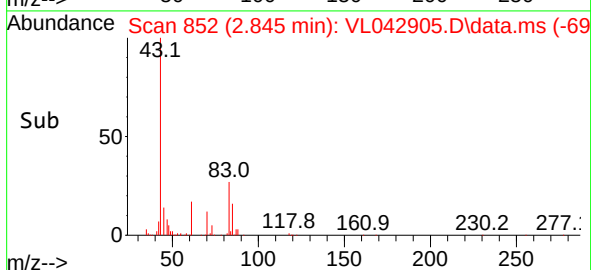
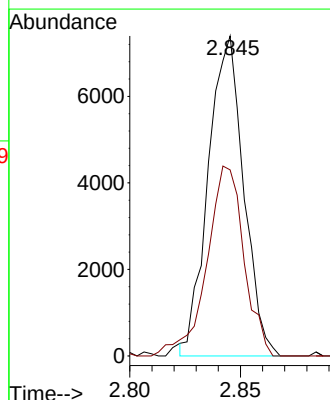
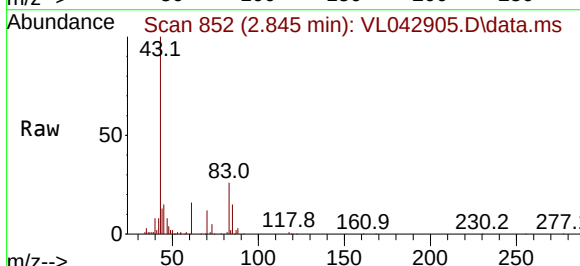
Acq: 08 Sep 2025 15:59

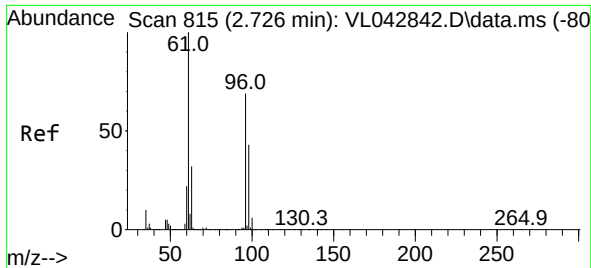
Tgt Ion: 83 Resp: 8213

Ion Ratio Lower Upper

83 100

85 58.1 51.1 76.7

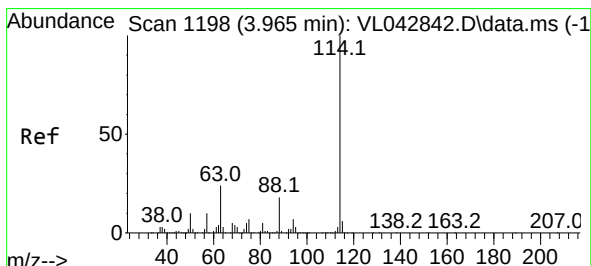
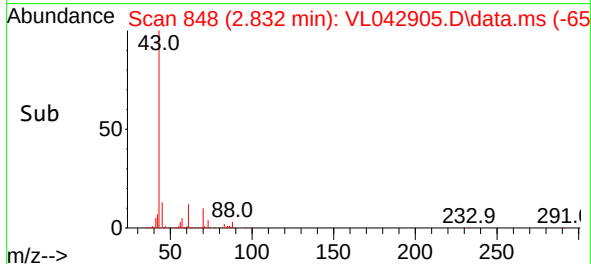
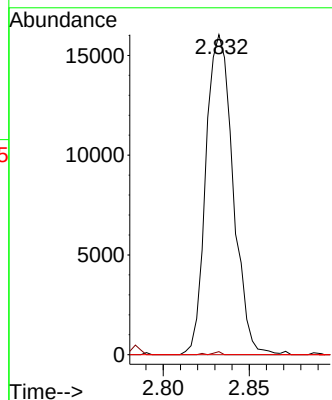
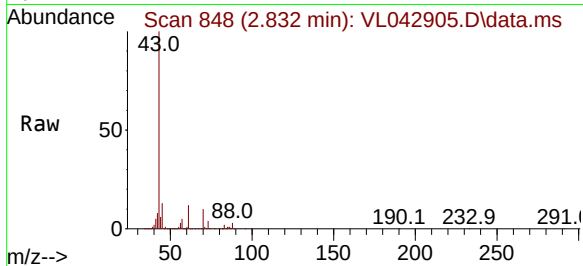




#31
 cis-1,2-Dichloroethene
 Concen: 0.843 ppbv
 RT: 2.832 min Scan# 848
 Delta R.T. 0.120 min
 Lab File: VL042905.D
 Acq: 08 Sep 2025 15:59

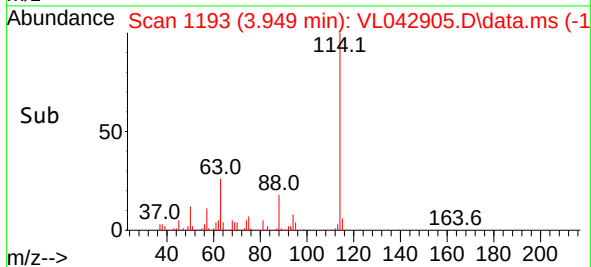
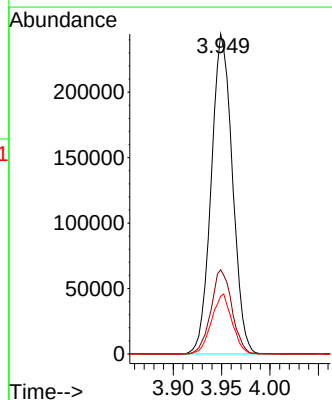
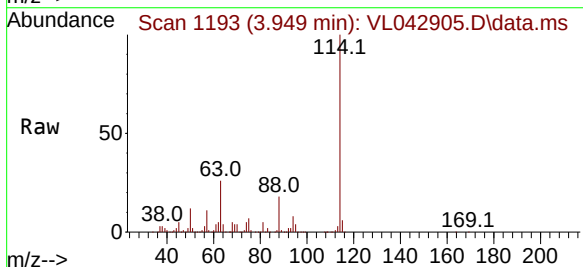
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DUP

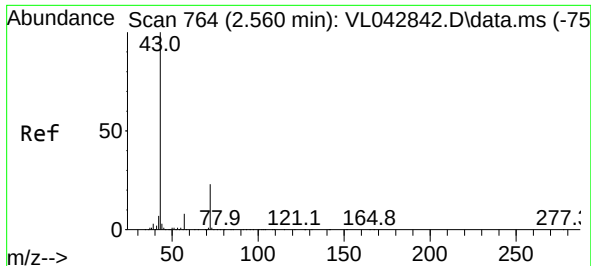
Tgt Ion: 61 Resp: 17577
 Ion Ratio Lower Upper
 61 100
 96 1.0 55.0 82.6#
 98 0.0 34.3 51.5#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.949 min Scan# 1193
 Delta R.T. 0.006 min
 Lab File: VL042905.D
 Acq: 08 Sep 2025 15:59

Tgt Ion: 114 Resp: 372044
 Ion Ratio Lower Upper
 114 100
 63 26.1 19.7 29.5
 88 18.1 14.4 21.6

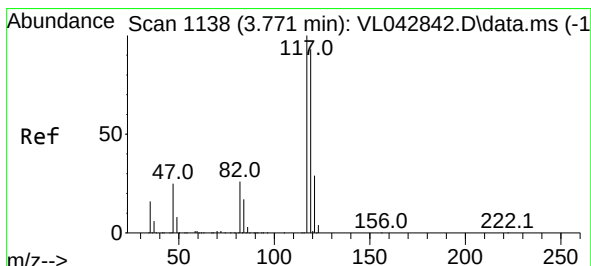
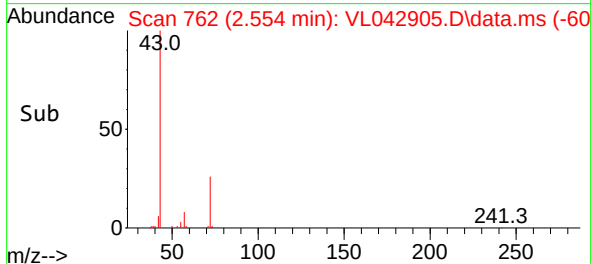
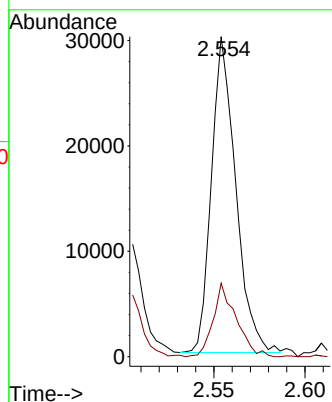
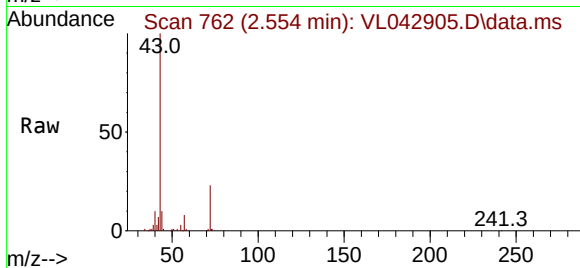




#34
2-Butanone
Concen: 1.102 ppbv
RT: 2.554 min Scan# 762
Delta R.T. 0.006 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

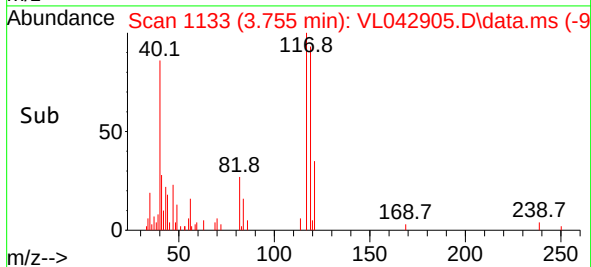
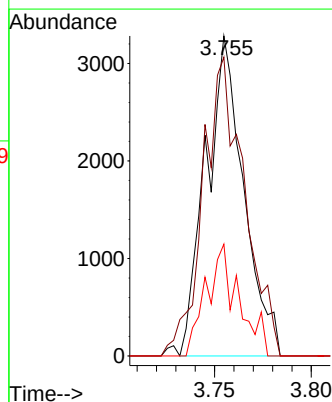
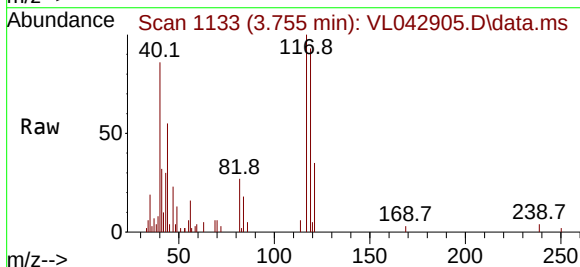
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP

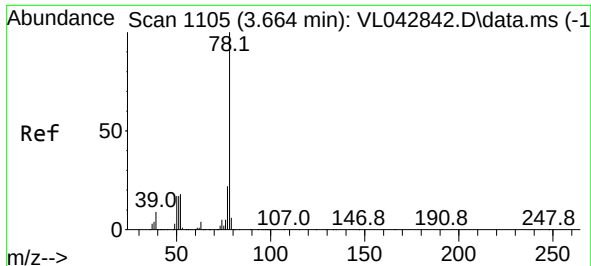
Tgt Ion: 43 Resp: 27696
Ion Ratio Lower Upper
43 100
72 21.9 18.6 28.0



#35
Carbon Tetrachloride
Concen: 0.174 ppbv
RT: 3.755 min Scan# 1133
Delta R.T. 0.006 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

Tgt Ion: 117 Resp: 4459
Ion Ratio Lower Upper
117 100
119 93.4 74.7 112.1
121 34.9 23.2 34.8#

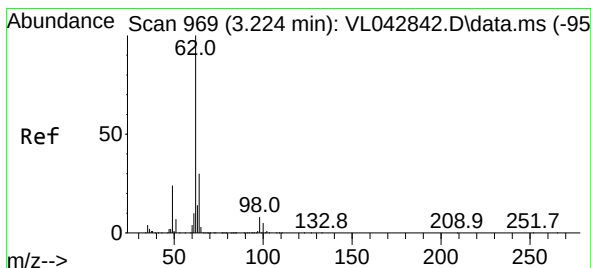
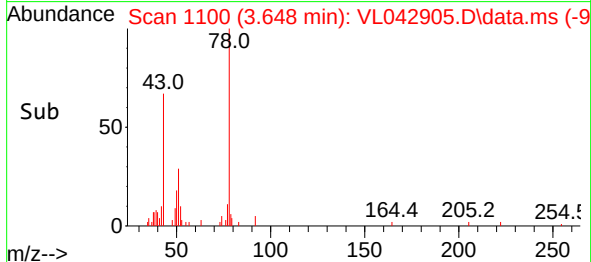
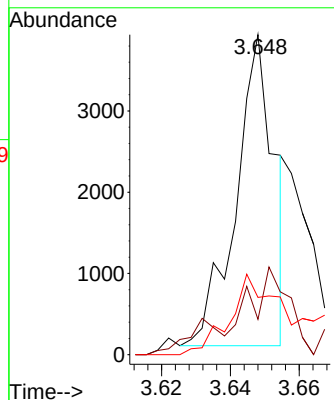
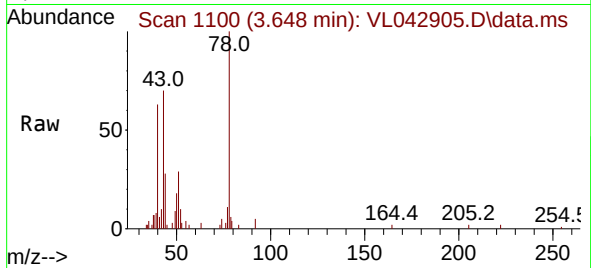




#36
Benzene
Concen: 0.083 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. 0.003 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

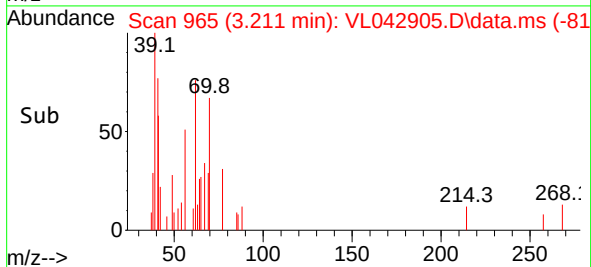
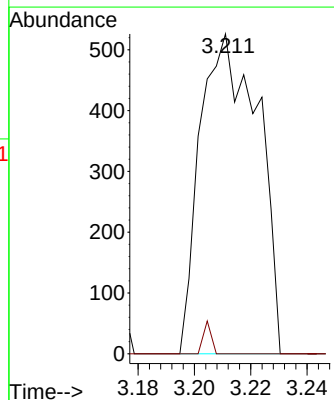
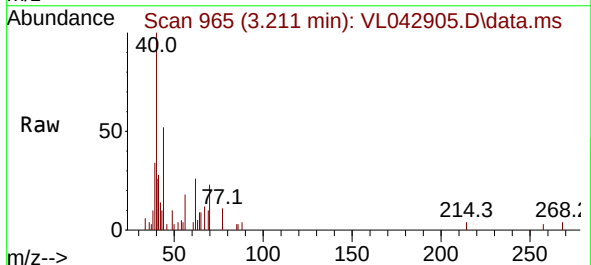
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP

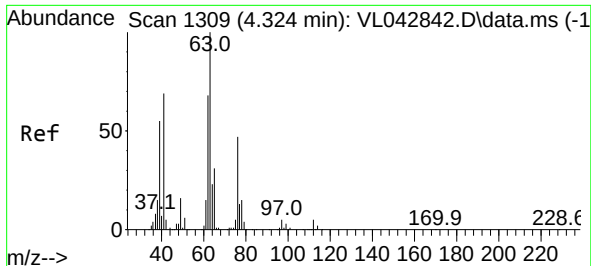
Tgt Ion: 78 Resp: 2959
Ion Ratio Lower Upper
78 100
77 6.1 17.7 26.5#
50 17.3 13.9 20.9



#37
1,2-Dichloroethane
Concen: 0.040 ppbv
RT: 3.211 min Scan# 965
Delta R.T. 0.003 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

Tgt Ion: 62 Resp: 750
Ion Ratio Lower Upper
62 100
98 0.0 5.9 8.9#





#39

1,2-Dichloropropane

Concen: 7.466 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. -0.350 min

Lab File: VL042905.D

Acq: 08 Sep 2025 15:59

Instrument :

MSVOA_L

ClientSampleId :

IA-2DUP

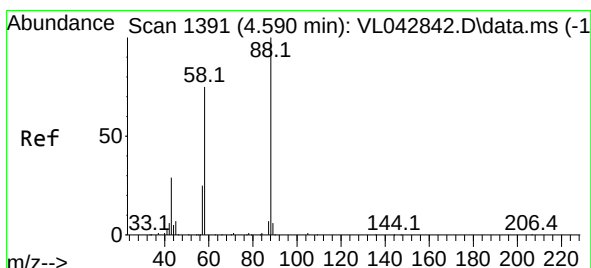
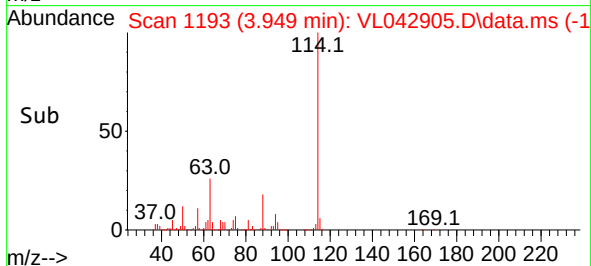
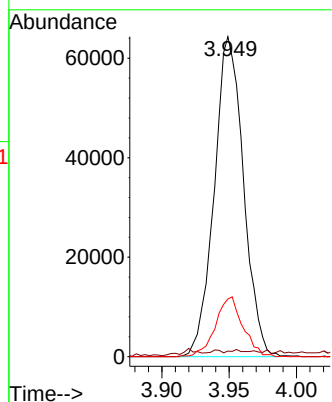
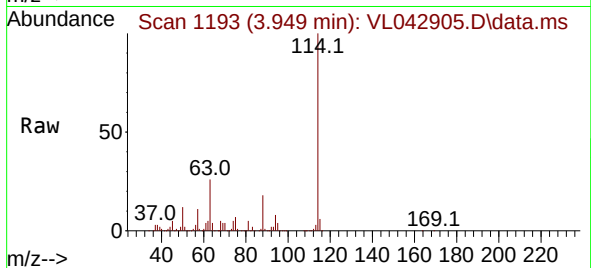
Tgt Ion: 63 Resp: 97144

Ion Ratio Lower Upper

63 100

41 1.0 55.0 82.4#

62 17.9 54.4 81.6#



#40

1,4-Dioxane

Concen: 0.180 ppbv

RT: 4.590 min Scan# 1391

Delta R.T. 0.029 min

Lab File: VL042905.D

Acq: 08 Sep 2025 15:59

Tgt Ion: 88 Resp: 1112

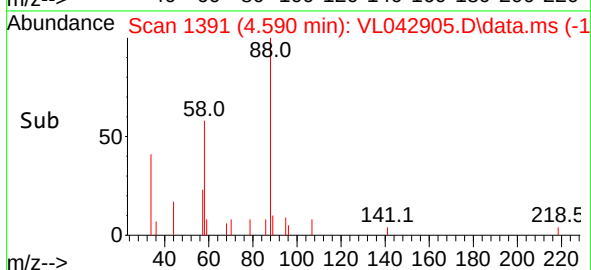
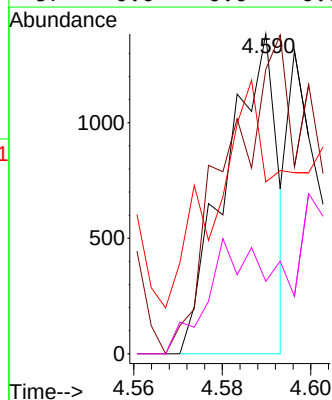
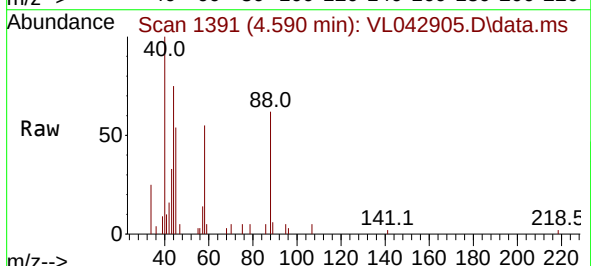
Ion Ratio Lower Upper

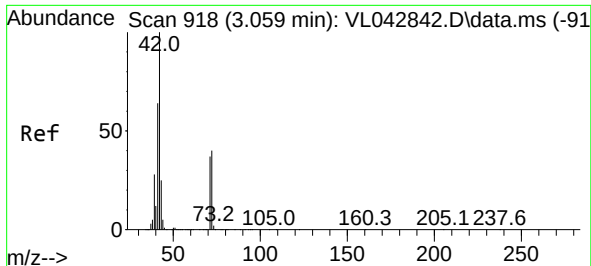
88 100

58 0.0 53.8 80.6#

43 63.5 22.8 34.2#

57 0.0 0.0 0.0

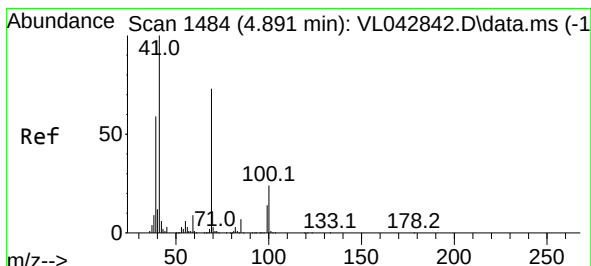
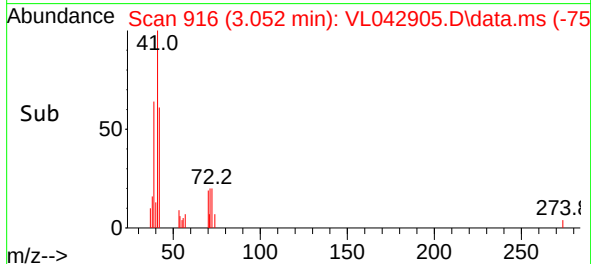
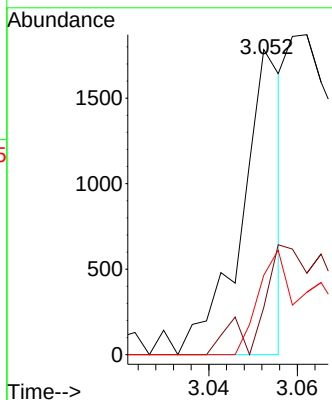
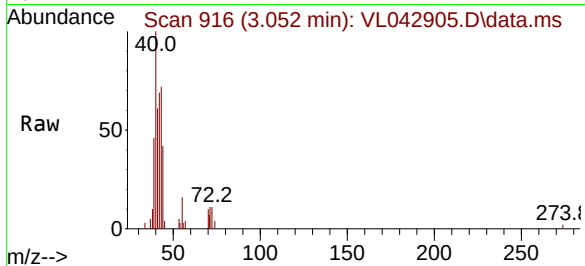




#41
Tetrahydrofuran
Concen: 0.081 ppbv
RT: 3.052 min Scan# 918
Delta R.T. 0.010 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

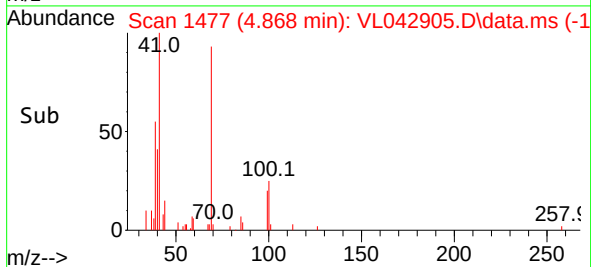
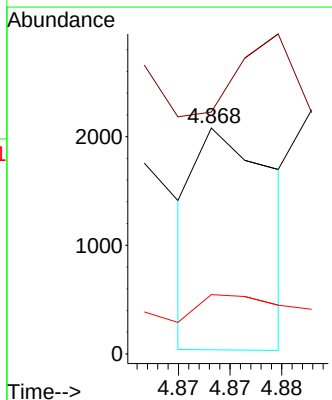
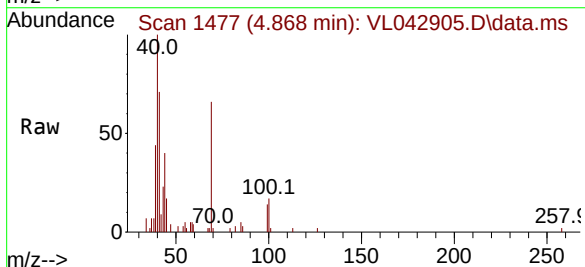
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP

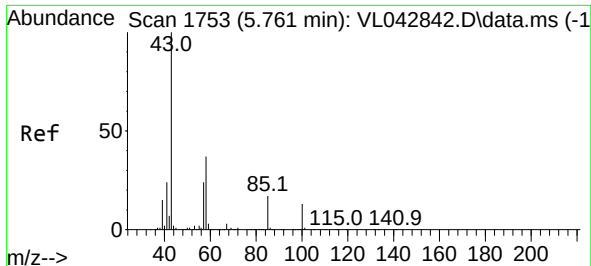
Tgt Ion: 42 Resp: 1132
Ion Ratio Lower Upper
42 100
72 68.4 32.6 48.8#
71 51.5 30.0 45.0#



#43
Methyl Methacrylate
Concen: 0.072 ppbv
RT: 4.868 min Scan# 1477
Delta R.T. 0.010 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

Tgt Ion: 69 Resp: 1057
Ion Ratio Lower Upper
69 100
41 0.0 114.6 172.0#
100 118.4 30.2 45.4#

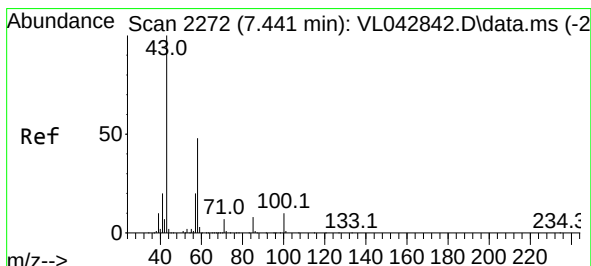
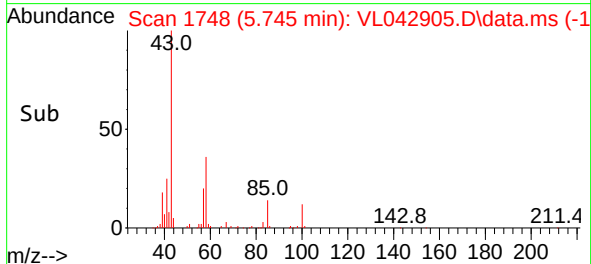
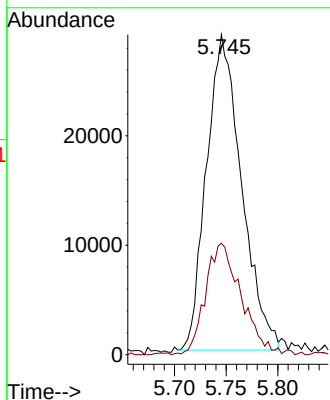
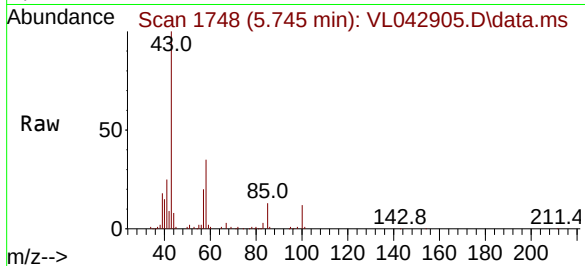




#50
 4-Methyl-2-Pentanone
 Concen: 2.005 ppbv
 RT: 5.745 min Scan# 1748
 Delta R.T. 0.016 min
 Lab File: VL042905.D
 Acq: 08 Sep 2025 15:59

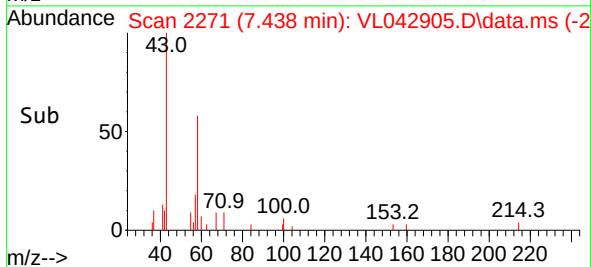
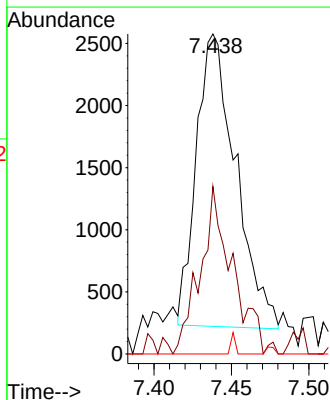
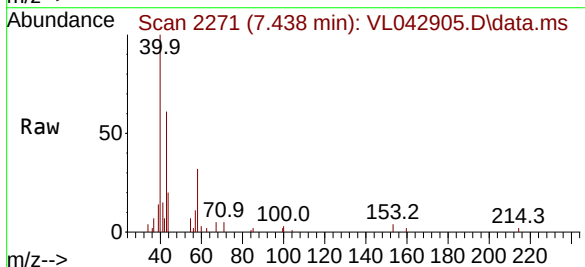
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DUP

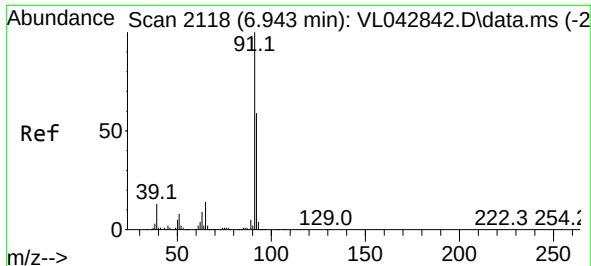
Tgt Ion: 43 Resp: 68077
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.8 44.8



#51
 2-Hexanone
 Concen: 0.156 ppbv
 RT: 7.438 min Scan# 2271
 Delta R.T. 0.019 min
 Lab File: VL042905.D
 Acq: 08 Sep 2025 15:59

Tgt Ion: 43 Resp: 4166
 Ion Ratio Lower Upper
 43 100
 58 49.4 41.0 61.6
 98 0.0 0.1 0.1#

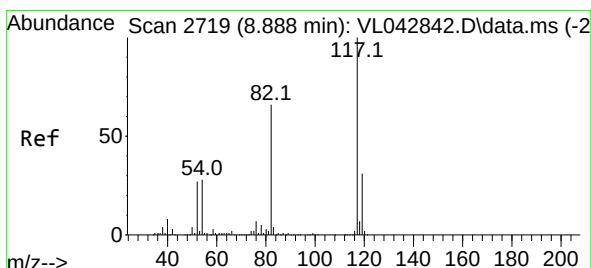
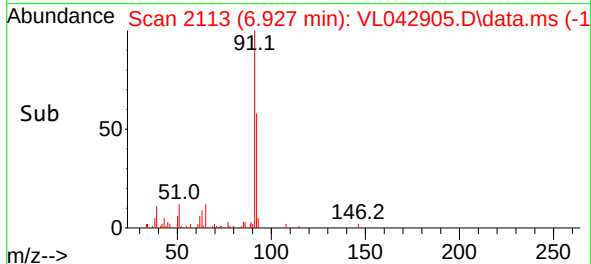
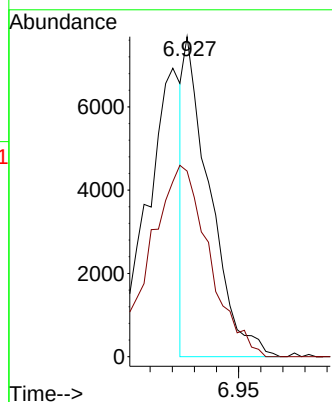
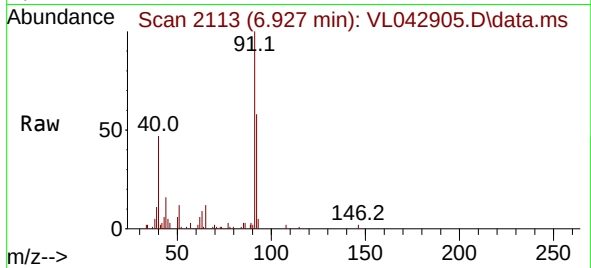




#53
Toluene
Concen: 0.147 ppbv
RT: 6.927 min Scan# 2113
Delta R.T. 0.013 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

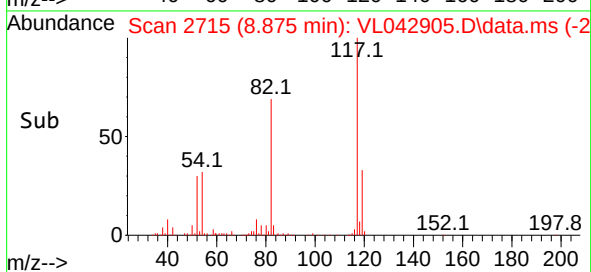
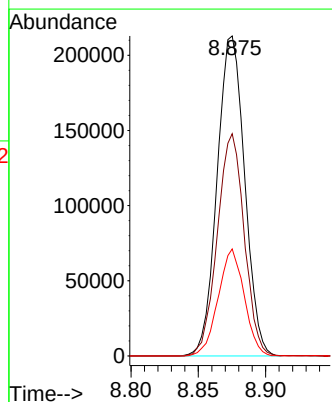
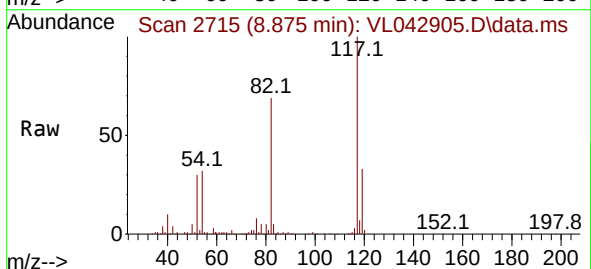
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP

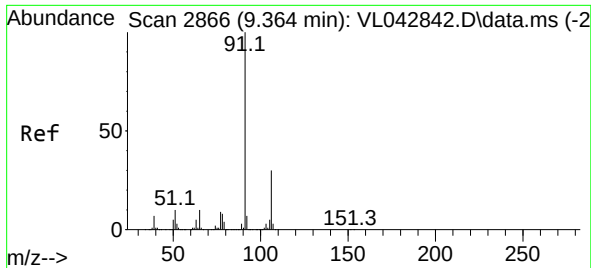
Tgt Ion: 91 Resp: 6220
Ion Ratio Lower Upper
91 100
92 139.5 47.8 71.6#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. 0.006 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

Tgt Ion: 117 Resp: 303028
Ion Ratio Lower Upper
117 100
82 67.9 54.6 81.8
119 31.7 25.9 38.9

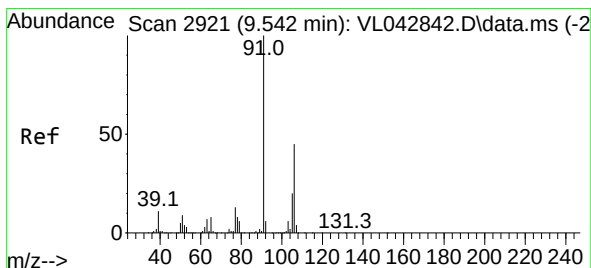
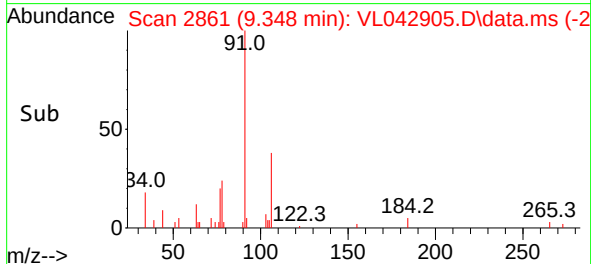
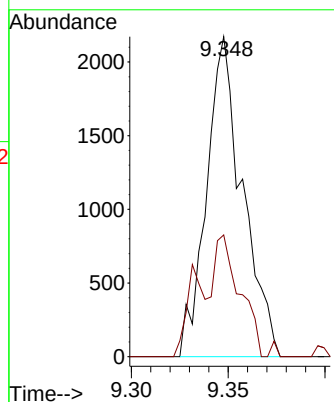
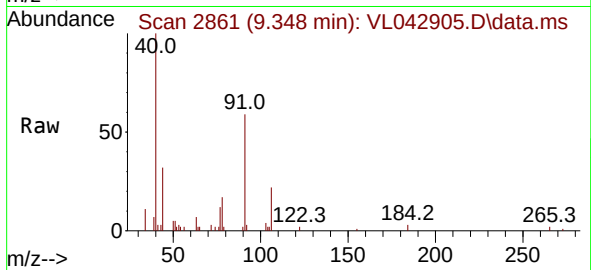




#58
Ethyl Benzene
Concen: 0.053 ppbv
RT: 9.348 min Scan# 2866
Delta R.T. 0.003 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

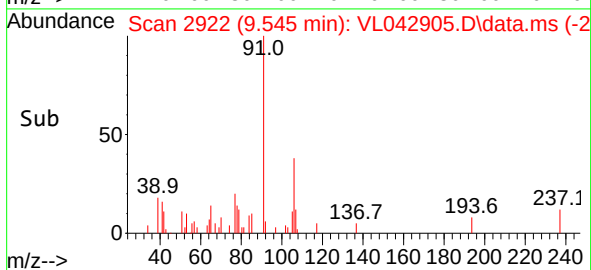
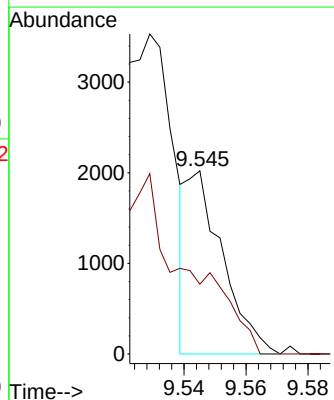
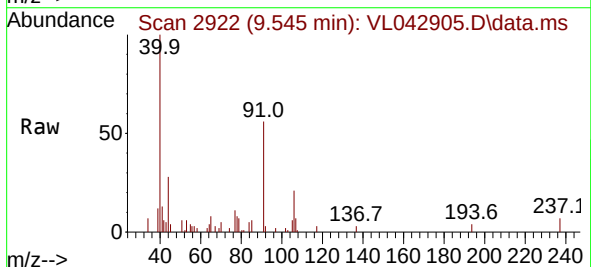
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP

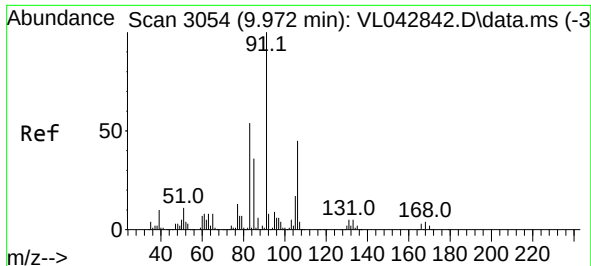
Tgt Ion: 91 Resp: 2812
Ion Ratio Lower Upper
91 100
106 38.1 23.9 35.9#



#59
m/p-Xylene
Concen: 0.039 ppbv
RT: 9.545 min Scan# 2922
Delta R.T. 0.006 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

Tgt Ion: 91 Resp: 1627
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

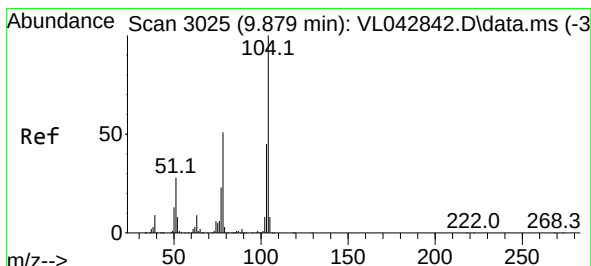
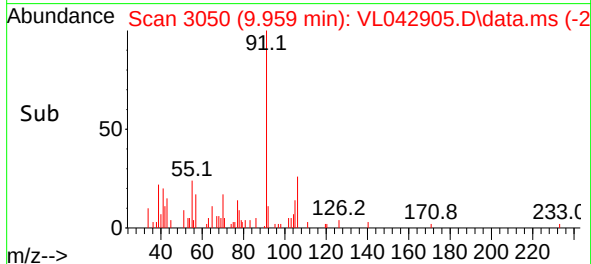
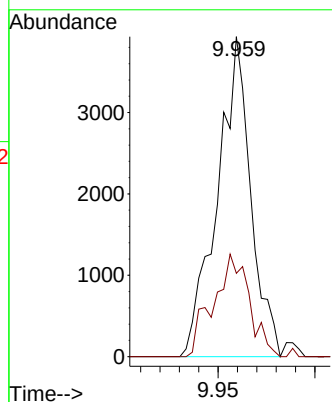
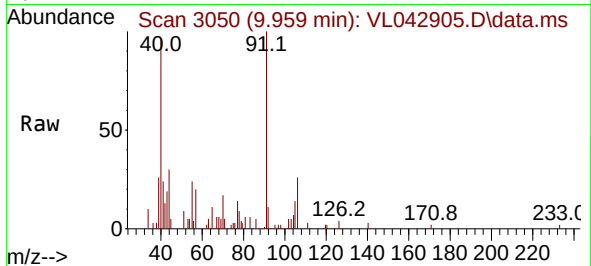




#60
o-Xylene
Concen: 0.112 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. 0.006 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

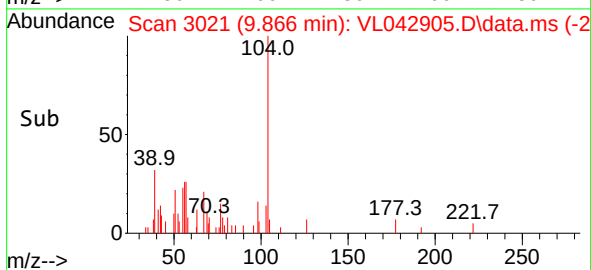
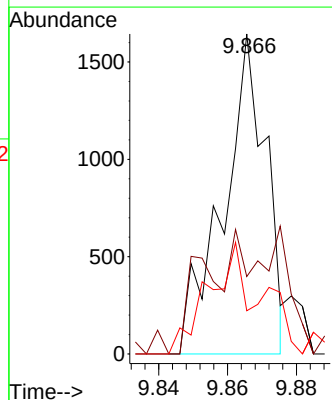
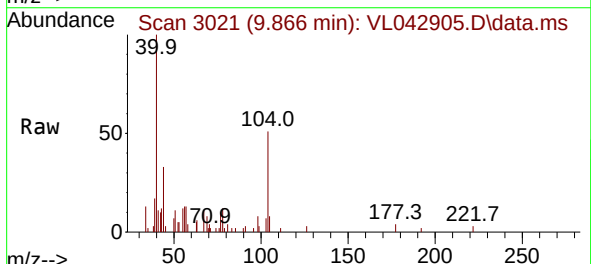
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP

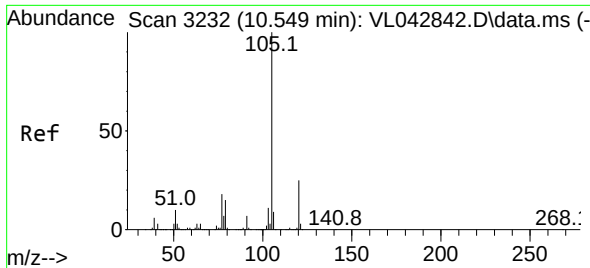
Tgt Ion: 91 Resp: 4723
Ion Ratio Lower Upper
91 100
106 35.0 21.8 65.4



#61
Styrene
Concen: 0.071 ppbv
RT: 9.866 min Scan# 3021
Delta R.T. 0.006 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

Tgt Ion:104 Resp: 1409
Ion Ratio Lower Upper
104 100
78 0.0 40.6 61.0#
103 44.3 37.7 56.5

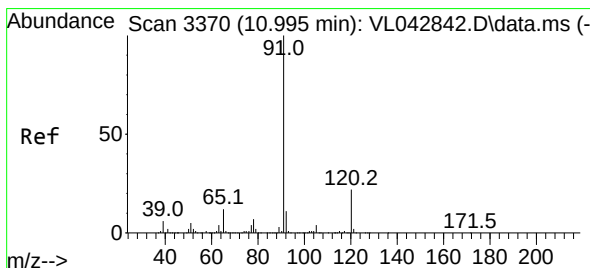
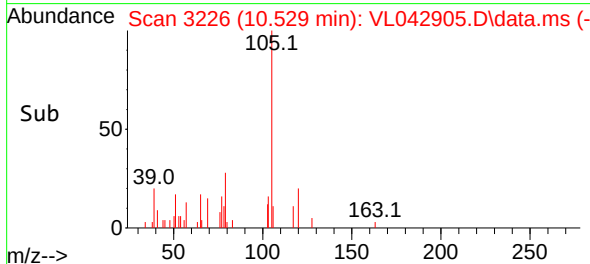
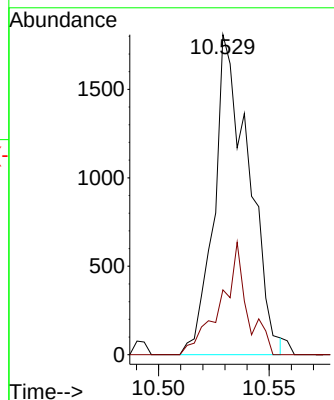
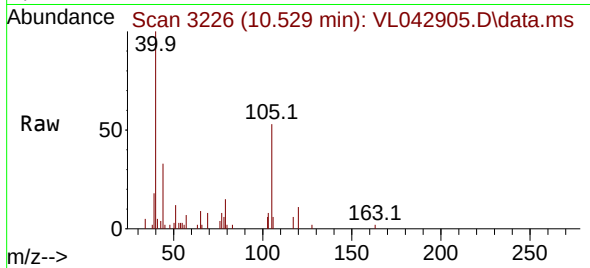




#62
Isopropylbenzene
Concen: 0.032 ppbv
RT: 10.529 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

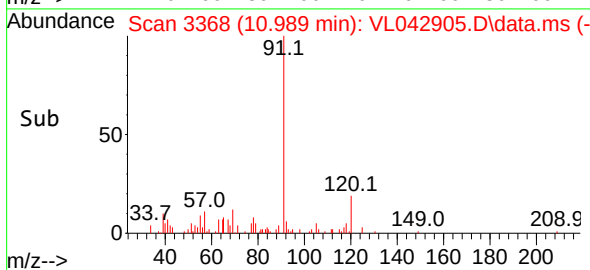
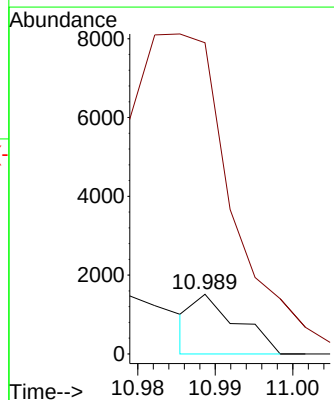
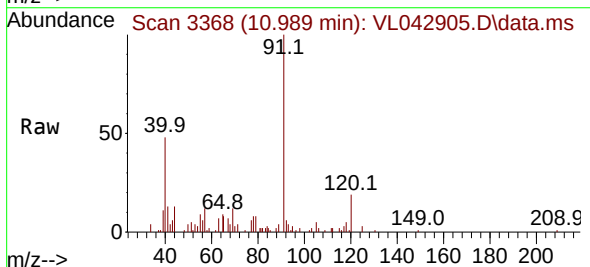
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP

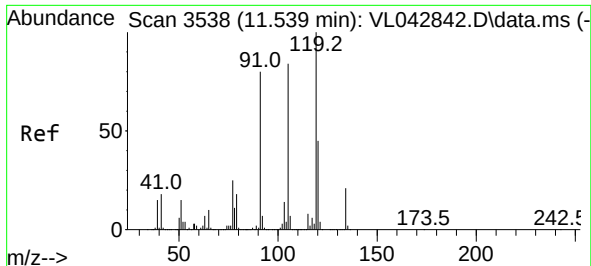
Tgt Ion:105 Resp: 1966
Ion Ratio Lower Upper
105 100
120 26.9 20.6 30.8



#64
n-propylbenzene
Concen: 0.037 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.010 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

Tgt Ion:120 Resp: 589
Ion Ratio Lower Upper
120 100
91 1611.9 375.8 563.6#

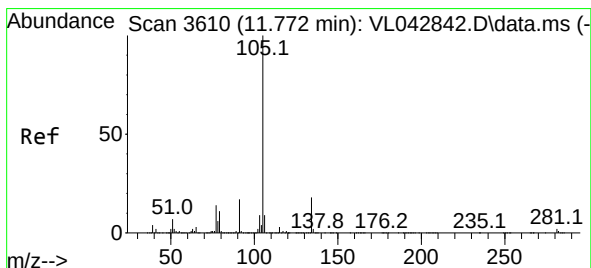
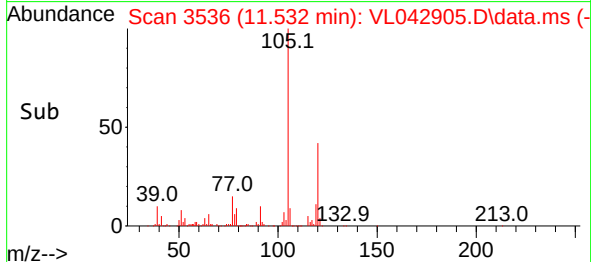
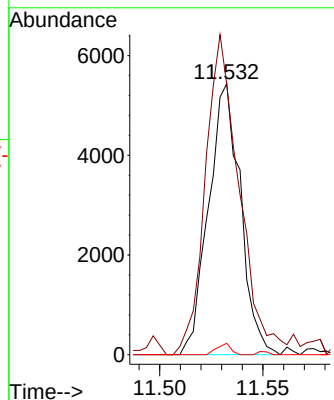
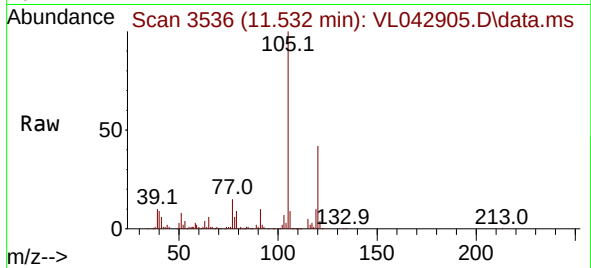




#65
tert-Butylbenzene
Concen: 0.108 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. 0.010 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

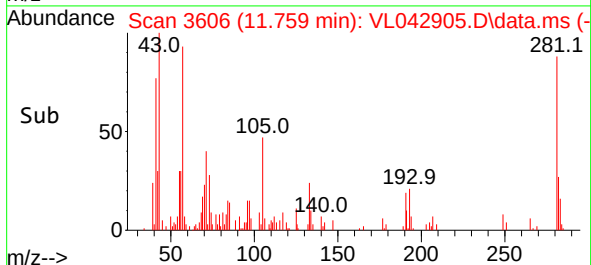
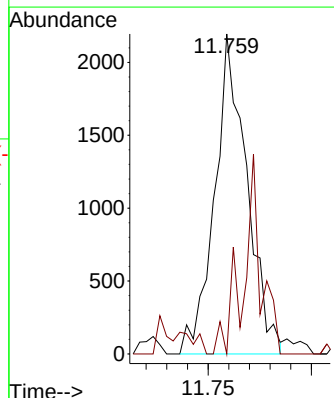
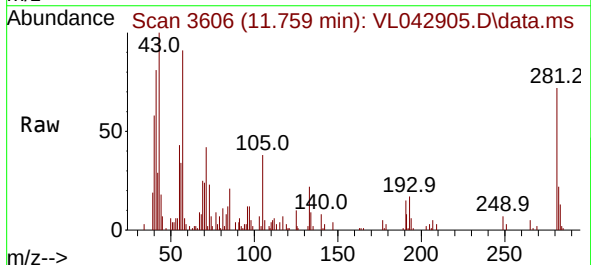
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP

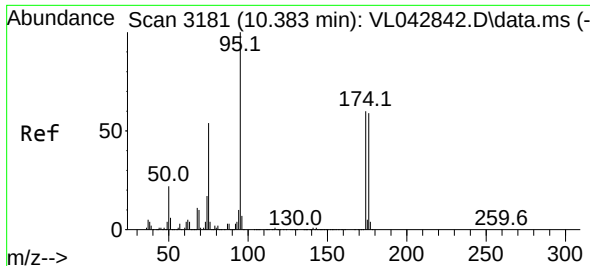
Tgt Ion:119 Resp: 5846
Ion Ratio Lower Upper
119 100
91 129.6 63.9 95.9#
134 2.2 17.0 25.4#



#67
sec-Butylbenzene
Concen: 0.031 ppbv
RT: 11.759 min Scan# 3606
Delta R.T. -0.000 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

Tgt Ion:105 Resp: 2374
Ion Ratio Lower Upper
105 100
134 42.0 14.9 22.3#

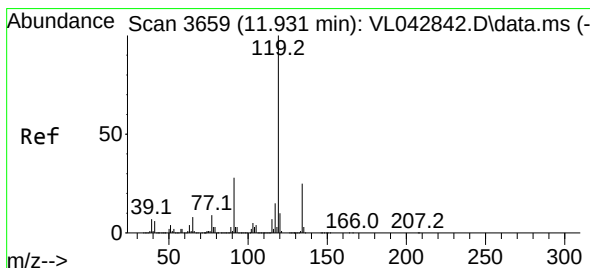
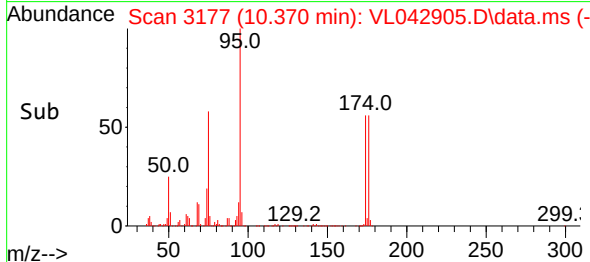
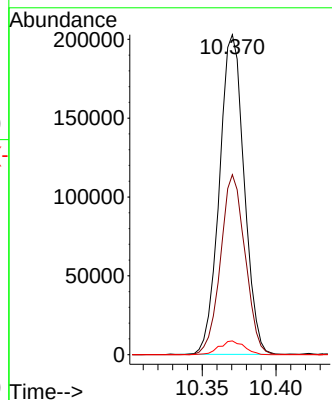
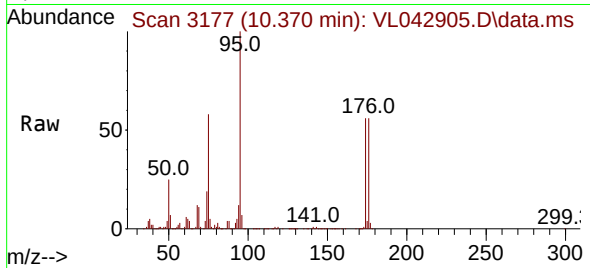




#68
1-Bromo-4-Fluorobenzene
Concen: 10.380 ppbv
RT: 10.370 min Scan# 3181
Delta R.T. 0.006 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

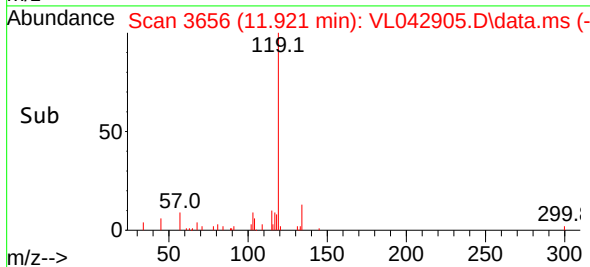
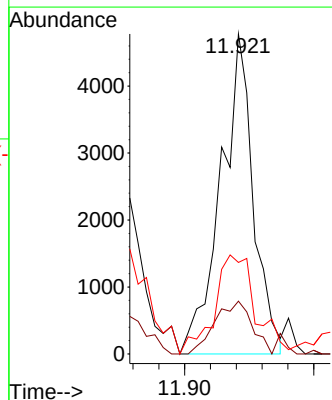
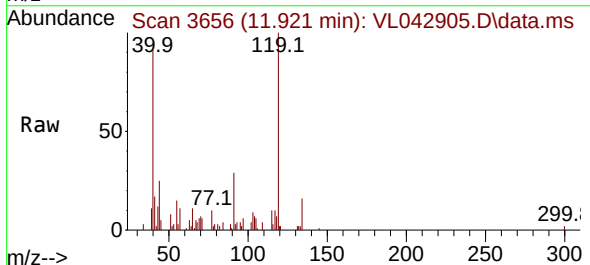
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP

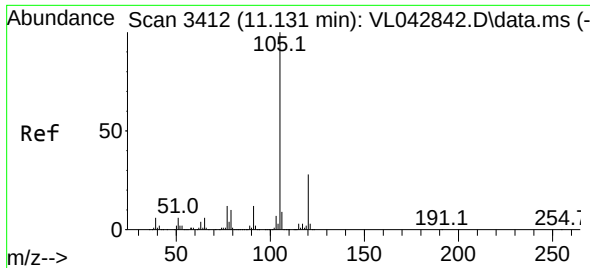
Tgt Ion: 95 Resp: 235889
Ion Ratio Lower Upper
95 100
174 56.1 48.4 72.6
175 4.4 3.8 5.8



#69
p-Isopropyltoluene
Concen: 0.064 ppbv
RT: 11.921 min Scan# 3656
Delta R.T. 0.003 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

Tgt Ion: 119 Resp: 4177
Ion Ratio Lower Upper
119 100
134 21.0 20.6 30.8
91 43.0 22.6 34.0#

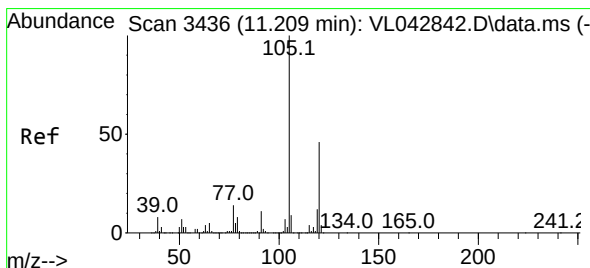
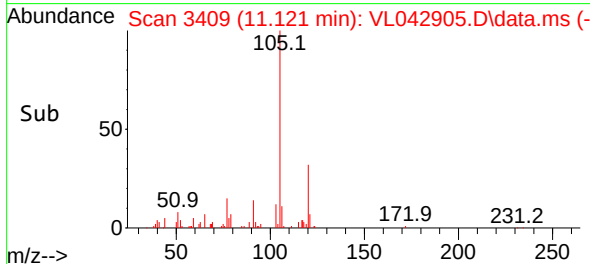
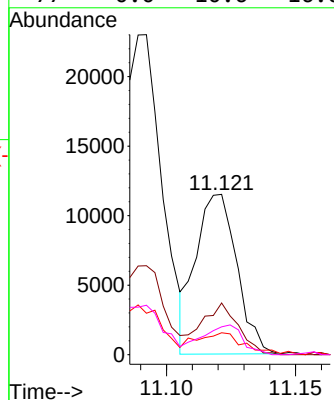
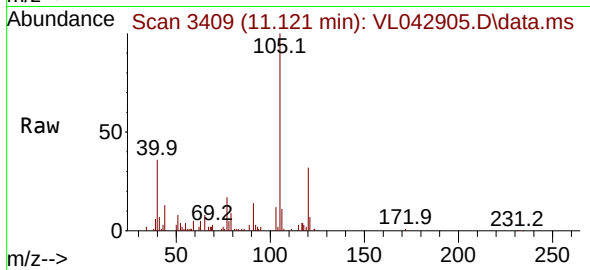




#72
4-Ethyltoluene
Concen: 0.248 ppbv
RT: 11.121 min Scan# 3412
Delta R.T. 0.003 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

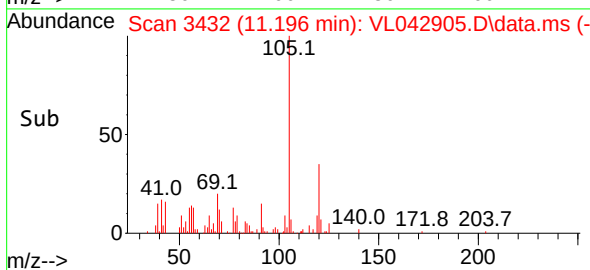
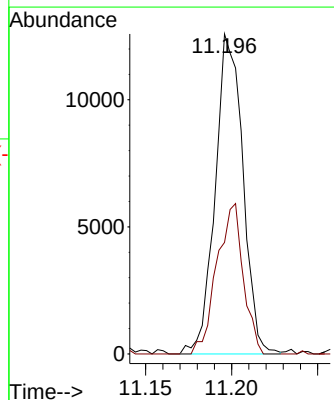
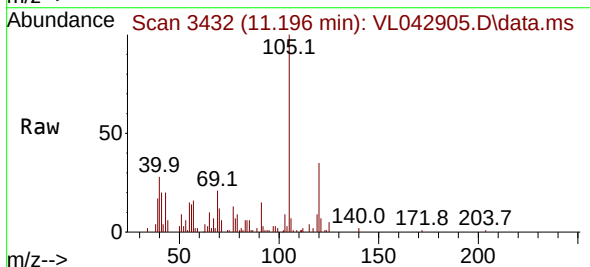
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP

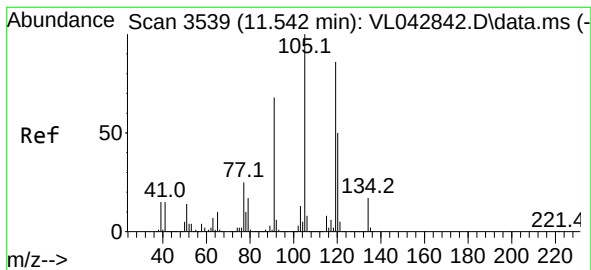
Tgt Ion:105	Resp:	12693
Ion Ratio	Lower	Upper
105	100	
120	0.0	23.4 35.2#
91	0.0	9.8 14.6#
77	0.0	10.6 16.0#



#73
1,3,5-Trimethylbenzene
Concen: 0.324 ppbv
RT: 11.196 min Scan# 3432
Delta R.T. -0.000 min
Lab File: VL042905.D
Acq: 08 Sep 2025 15:59

Tgt Ion:105	Resp:	14080
Ion Ratio	Lower	Upper
105	100	
120	34.8	36.6 54.8#





#74

1,2,4-Trimethylbenzene

Concen: 1.124 ppbv

RT: 11.532 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL042905.D

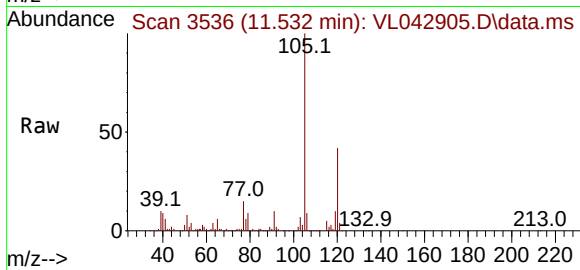
Acq: 08 Sep 2025 15:59

Instrument :

MSVOA_L

ClientSampleId :

IA-2DUP



Tgt Ion:105 Resp: 53636

Ion Ratio Lower Upper

105 100

120 42.0 39.8 59.6

91 10.5 54.2 81.4#

77 15.2 19.8 29.6#

