

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
 Data File : VL042805.D
 Acq On : 04 Aug 2025 15:10
 Operator : SY/MD
 Sample : Q2750-06
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 05 01:06:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 05:24:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	163694	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	467931	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	403577	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	336326	10.523	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	12549	0.580	ppbv	97
3) Chlorodifluoromethane	1.473	51	1482669	52.589	ppbv #	87
4) Chloromethane	1.531	50	6460	0.738	ppbv	98
5) Vinyl Chloride	1.486	62	1346	0.156	ppbv #	44
6) Bromomethane	1.664	94	133	0.040	ppbv #	5
7) Chloroethane	1.706	64	229	0.069	ppbv #	21
8) Dichlorotetrafluoroethane	1.496	85	12549	0.705	ppbv #	20
9) Propene	1.557	41	601491	58.700	ppbv	96
10) Heptane	4.988	43	2325	0.084	ppbv #	59
11) Trichlorofluoromethane	1.499	101	1064	0.048	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.136	101	1452	0.086	ppbv	92
13) Ethanol	1.729	45	4402737	5899.855	ppbv	93
15) Acetone	1.835	43	2230155	98.664	ppbv #	80
16) 1,3-Butadiene	1.557	39	294928	30.590	ppbv #	16
17) tert-Butyl alcohol	1.981	59	7803221	382.772	ppbv	96
19) Isopropyl Alcohol	1.942	45	14576391	1213.505	ppbv #	47
20) Methylene Chloride	2.065	84	15760	2.213	ppbv	97
21) Allyl Chloride	1.981	41	12438821	892.893	ppbv #	78
23) Vinyl Acetate	2.463	43	30783	1.123	ppbv #	90
25) Ethyl Acetate	2.842	43	220242	4.402	ppbv #	85
26) Hexane	2.826	57	40934	1.865	ppbv #	1
27) Carbon Disulfide	2.149	76	53193	2.831	ppbv #	66
29) Chloroform	2.852	83	19399	0.572	ppbv	85
30) Cyclohexane	3.862	84	1045	0.056	ppbv #	1
31) cis-1,2-Dichloroethene	2.845	61	21971	0.974	ppbv #	23
34) 2-Butanone	2.567	43	32492	0.980	ppbv	97
35) Carbon Tetrachloride	3.761	117	1365	0.039	ppbv	93
36) Benzene	3.654	78	12134	0.274	ppbv #	95
39) 1,2-Dichloropropane	3.959	63	116251	7.102	ppbv #	21
41) Tetrahydrofuran	3.078	42	2570	0.152	ppbv #	72
42) Bromodichloromethane	4.489	83	820	0.024	ppbv #	50
43) Methyl Methacrylate	4.884	69	645	0.041	ppbv #	1
53) Toluene	6.933	91	33005	0.693	ppbv	100
58) Ethyl Benzene	9.357	91	4460	0.070	ppbv	90
59) m/p-Xylene	9.529	91	10128	0.199	ppbv	100
60) o-Xylene	9.969	91	3671	0.072	ppbv	92
61) Styrene	9.872	104	3389	0.158	ppbv #	86
66) Benzyl Chloride	11.555	91	1735	0.317	ppbv #	67
69) p-Isopropyltoluene	11.927	119	43073	0.557	ppbv	97
70) n-Butylbenzene	12.348	91	13039	0.175	ppbv #	86
71) 2-Chlorotoluene	10.859	91	62538	1.086	ppbv #	45
72) 4-Ethyltoluene	11.125	105	1510	0.025	ppbv #	55
74) 1,2,4-Trimethylbenzene	11.536	105	5892	0.108	ppbv #	83

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
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Instrument :
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Quant Time: Aug 05 01:06:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 1,4-Dichlorobenzene	11.675	146	1848	0.049	ppbv	85
77) 1,2-Dichlorobenzene	11.675	146	1848	0.049	ppbv	96
79) Naphthalene	13.526	128	191	0.438	ppbv #	69
80) Naphthalene,2-methyl-	14.481	142	72	1.131	ppbv #	42
81) 1,2,4-Trichlorobenzene	13.445	180	75	0.437	ppbv #	36

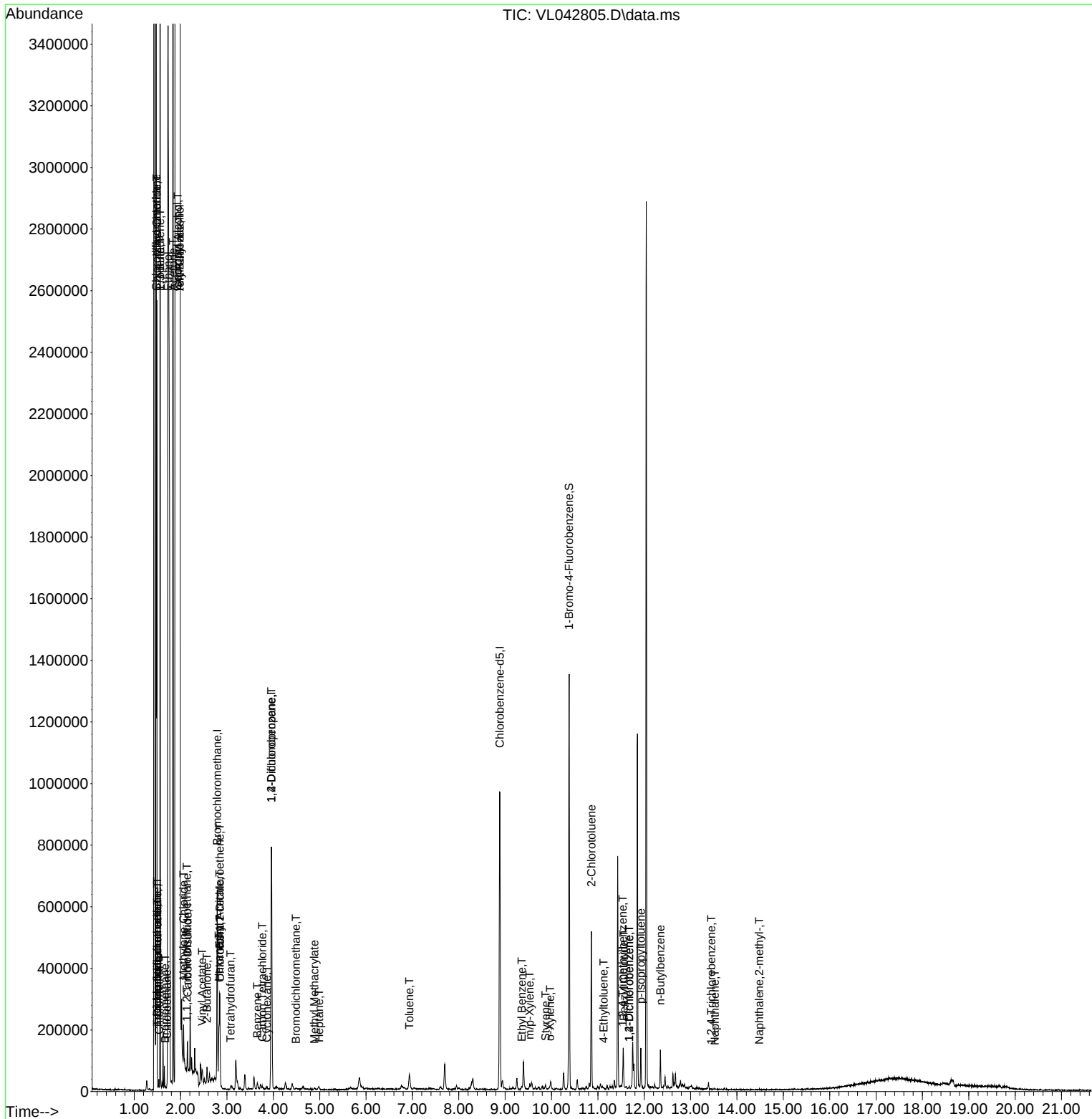
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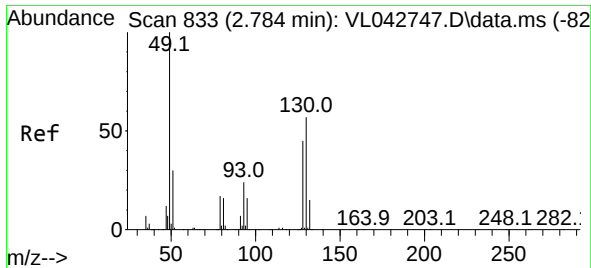
Instrument :

MSVOA L

ClientSampleId :

Response via : Initial Calibration

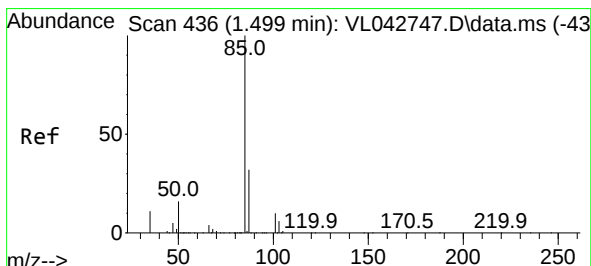
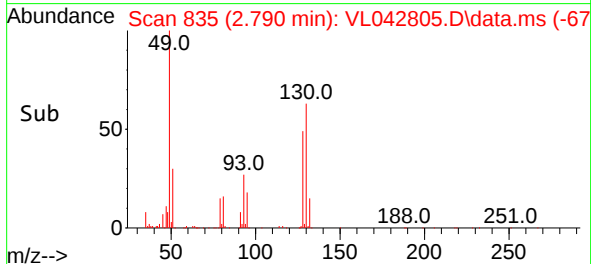
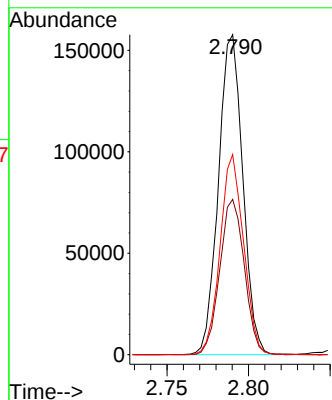
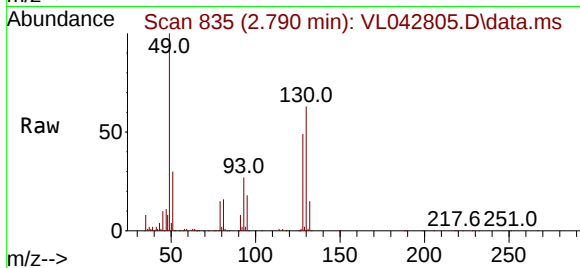




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.790 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VL042805.D
 Acq: 04 Aug 2025 15:10

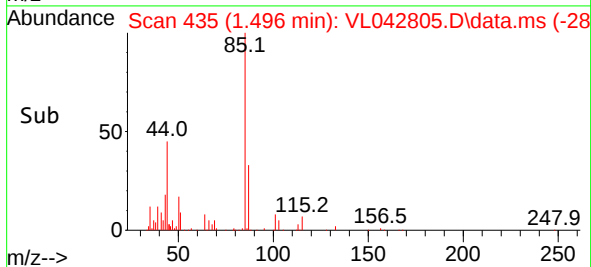
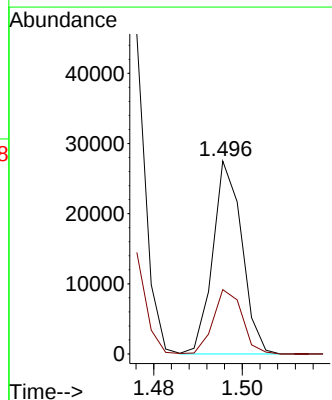
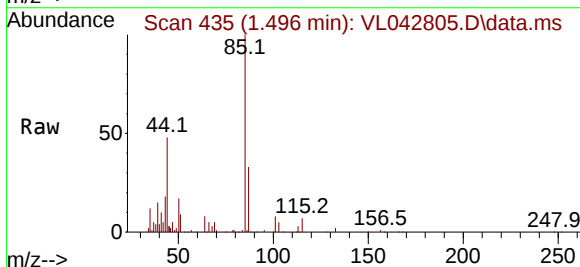
Instrument :
 MSVOA_L
 ClientSampleId :

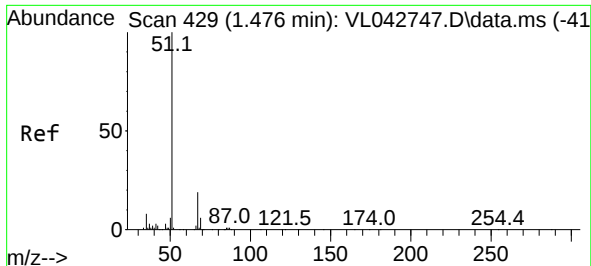
Tgt Ion: 49 Resp: 163694
 Ion Ratio Lower Upper
 49 100
 128 49.0 23.6 71.0
 130 60.2 30.3 90.8



#2
 Dichlorodifluoromethane
 Concen: 0.580 ppbv
 RT: 1.496 min Scan# 435
 Delta R.T. -0.003 min
 Lab File: VL042805.D
 Acq: 04 Aug 2025 15:10

Tgt Ion: 85 Resp: 12549
 Ion Ratio Lower Upper
 85 100
 87 33.3 25.4 38.2

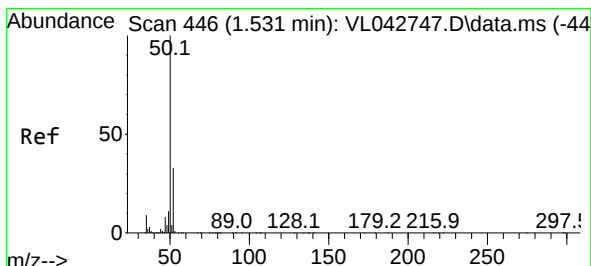
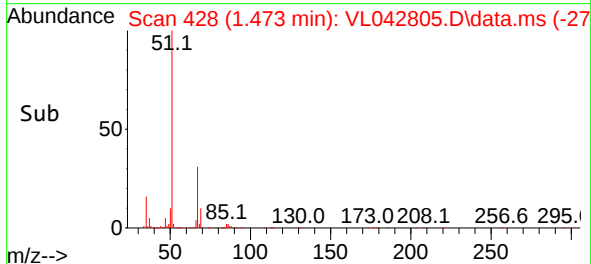
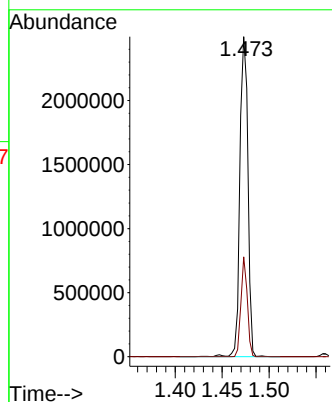
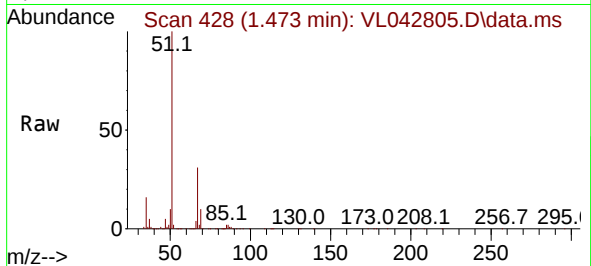




#3
Chlorodifluoromethane
Concen: 52.589 ppbv
RT: 1.473 min Scan# 429
Delta R.T. -0.003 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

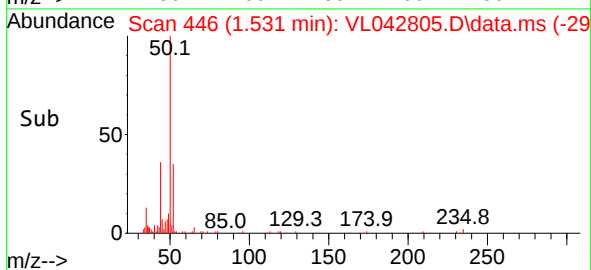
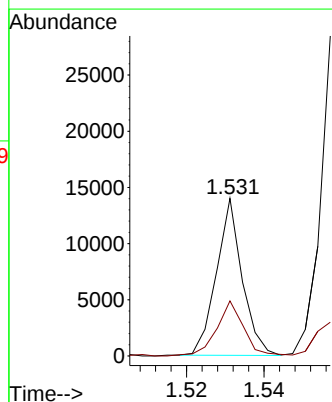
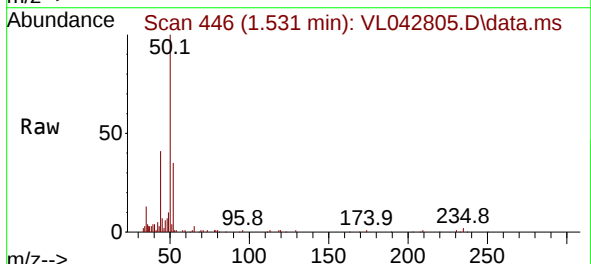
Instrument :
MSVOA_L
ClientSampleId :

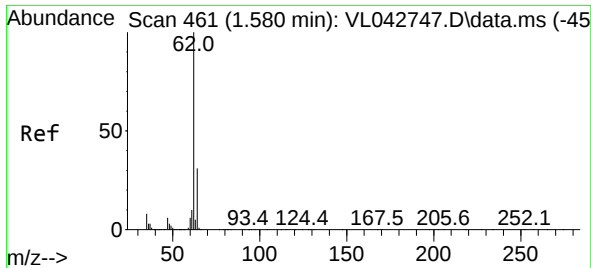
Tgt Ion: 51 Resp: 1482669
Ion Ratio Lower Upper
51 100
67 24.7 15.0 22.6#



#4
Chloromethane
Concen: 0.738 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

Tgt Ion: 50 Resp: 6460
Ion Ratio Lower Upper
50 100
52 34.3 26.6 40.0

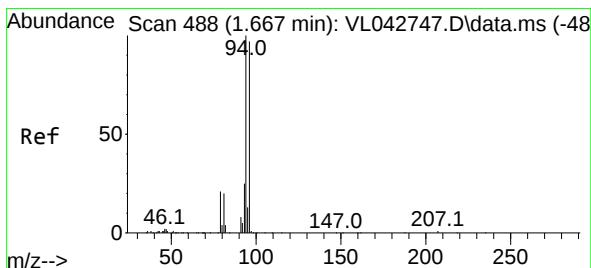
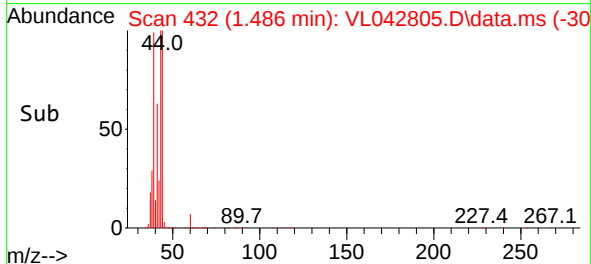
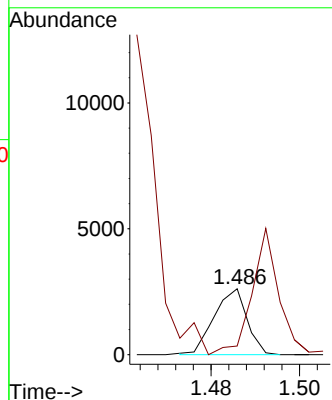
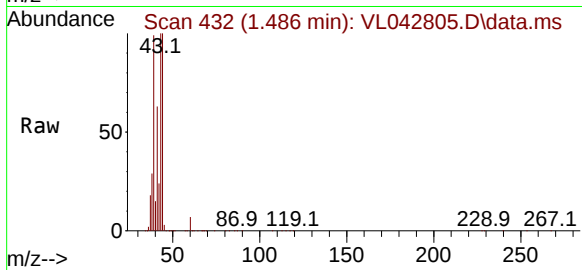




#5
 Vinyl Chloride
 Concen: 0.156 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. -0.094 min
 Lab File: VL042805.D
 Acq: 04 Aug 2025 15:10

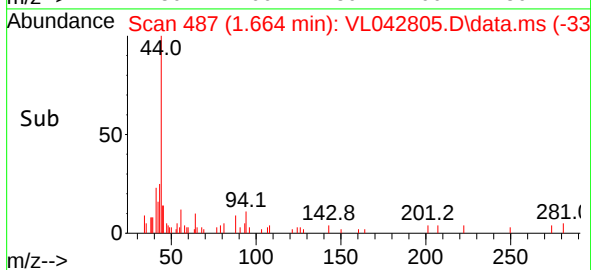
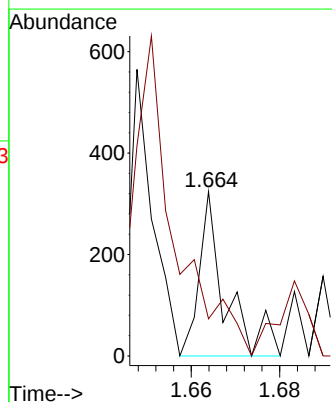
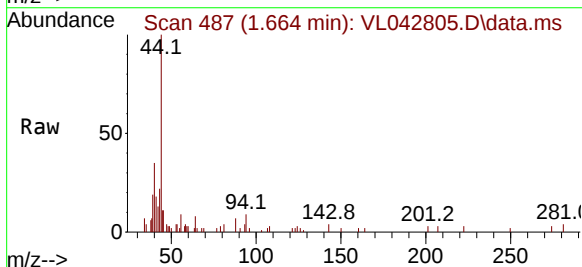
Instrument :
 MSVOA_1
 ClientSampleId :

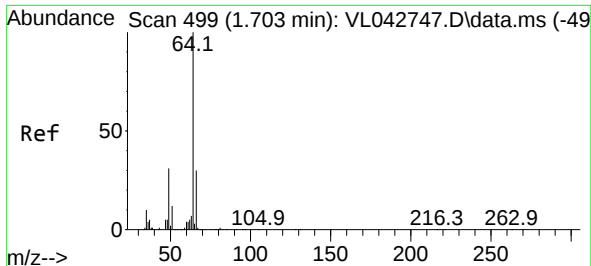
Tgt Ion: 62 Resp: 1346
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.5 36.7#



#6
 Bromomethane
 Concen: 0.040 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.003 min
 Lab File: VL042805.D
 Acq: 04 Aug 2025 15:10

Tgt Ion: 94 Resp: 133
 Ion Ratio Lower Upper
 94 100
 96 3.7 77.6 116.4#

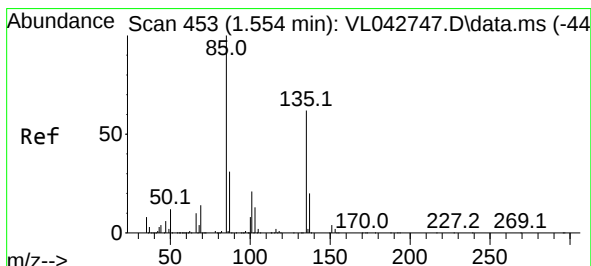
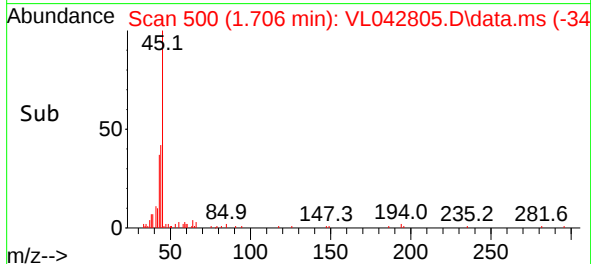
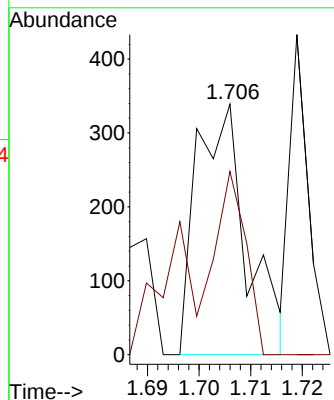
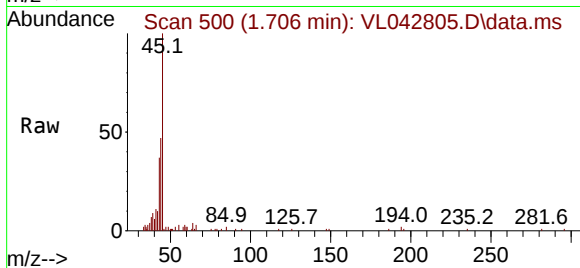




#7
Chloroethane
Concen: 0.069 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

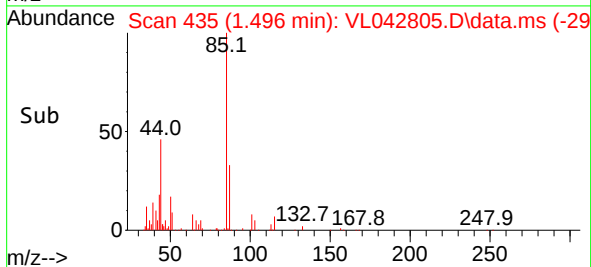
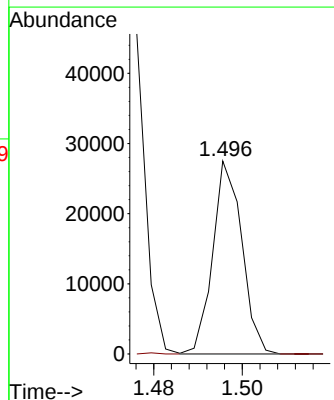
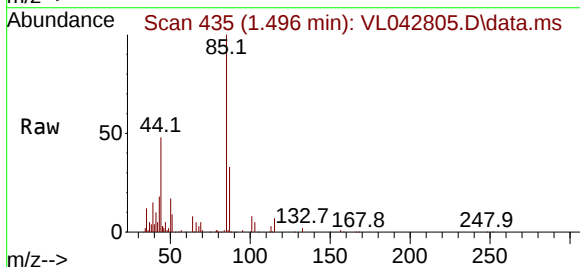
Instrument :
MSVOA_L
ClientSampleId :

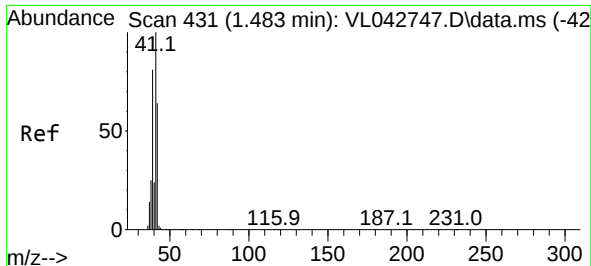
Tgt Ion: 64 Resp: 229
Ion Ratio Lower Upper
64 100
66 73.2 24.1 36.1#



#8
Dichlorotetrafluoroethane
Concen: 0.705 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.058 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

Tgt Ion: 85 Resp: 12549
Ion Ratio Lower Upper
85 100
135 1.3 50.6 76.0#





#9

Propene

Concen: 58.700 ppbv

RT: 1.557 min Scan# 41

Delta R.T. 0.074 min

Lab File: VL042805.D

Acq: 04 Aug 2025 15:10

Instrument :

MSVOA_L

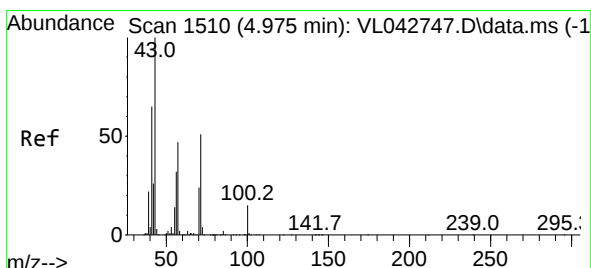
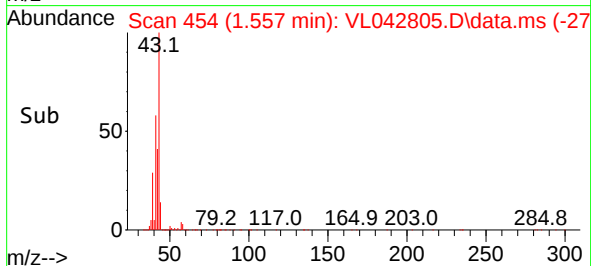
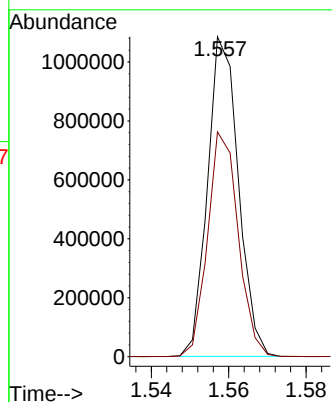
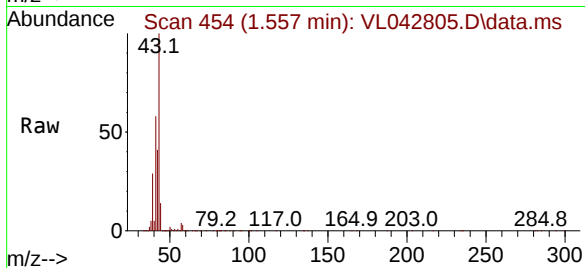
ClientSampleId :

Tgt Ion: 41 Resp: 601491

Ion Ratio Lower Upper

41 100

42 69.8 53.2 79.8



#10

Heptane

Concen: 0.084 ppbv

RT: 4.988 min Scan# 1514

Delta R.T. 0.013 min

Lab File: VL042805.D

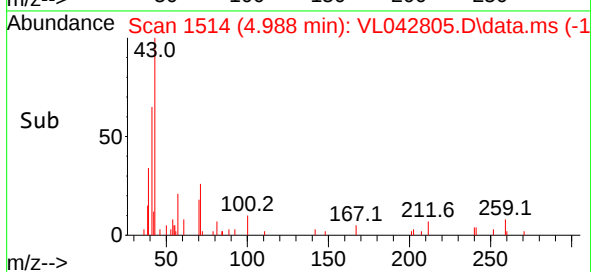
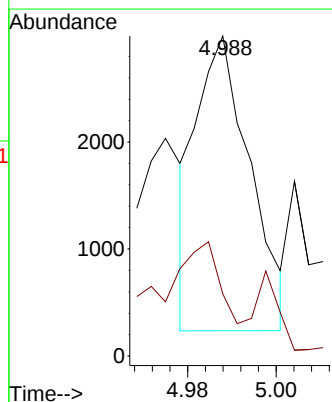
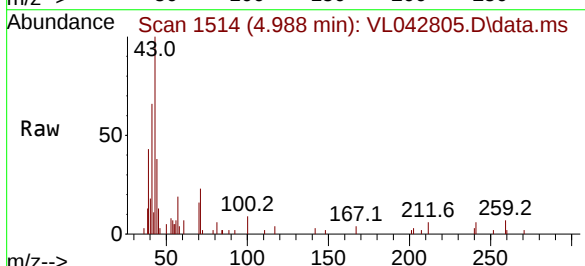
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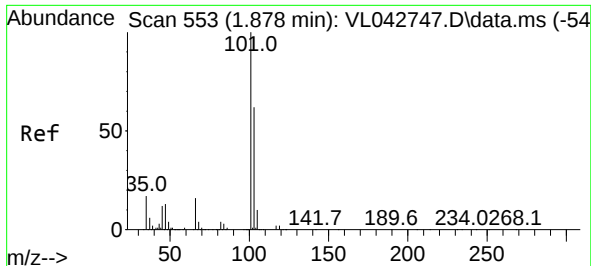
Tgt Ion: 43 Resp: 2325

Ion Ratio Lower Upper

43 100

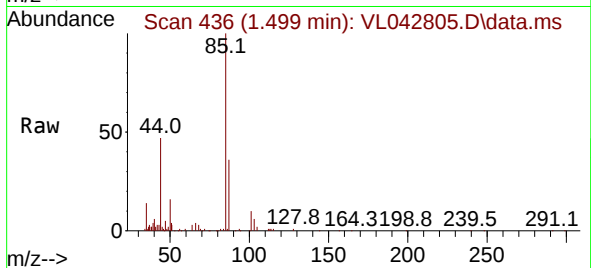
57 78.1 39.9 59.9#



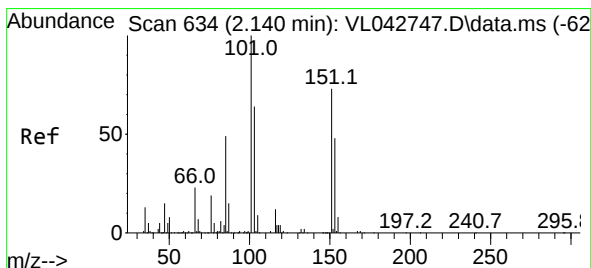
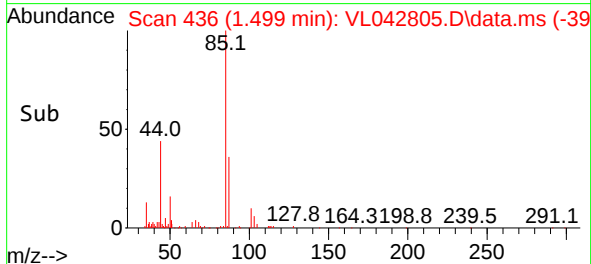
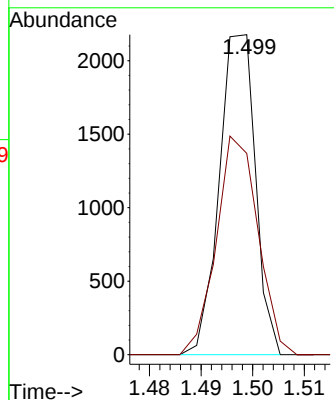


#11
 Trichlorofluoromethane
 Concen: 0.048 ppbv
 RT: 1.499 min Scan# 41
 Delta R.T. -0.379 min
 Lab File: VL042805.D
 Acq: 04 Aug 2025 15:10

Instrument :
 MSVOA_L
 ClientSampleId :

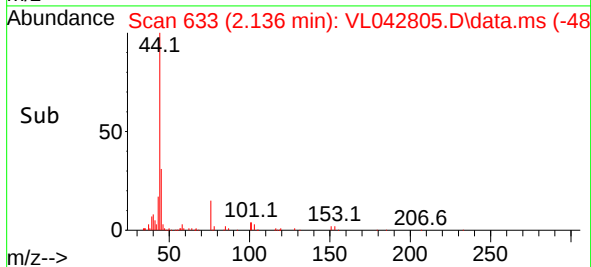
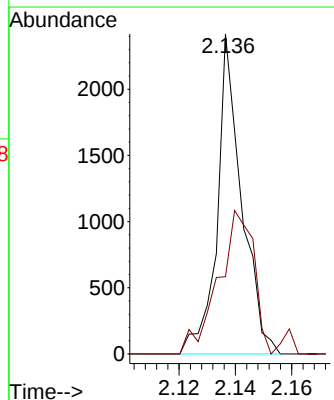
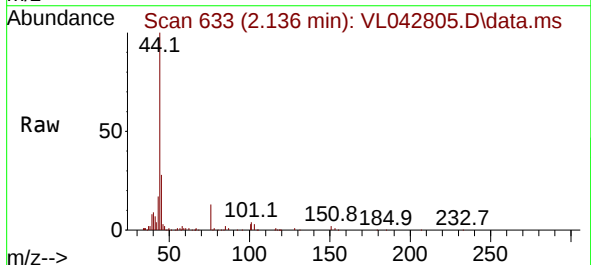


Tgt Ion:101 Resp: 1064
 Ion Ratio Lower Upper
 101 100
 103 62.9 49.6 74.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.086 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. -0.003 min
 Lab File: VL042805.D
 Acq: 04 Aug 2025 15:10

Tgt Ion:101 Resp: 1452
 Ion Ratio Lower Upper
 101 100
 151 68.7 60.5 90.7

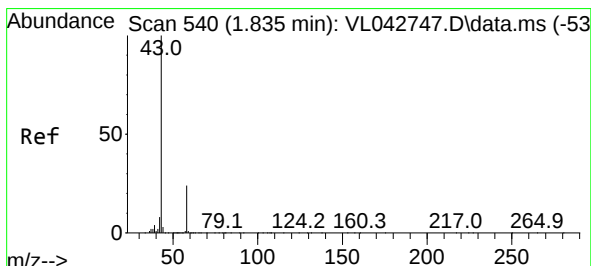
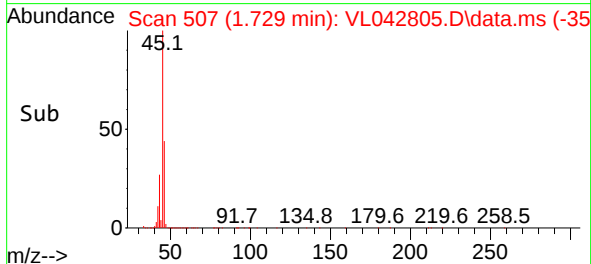
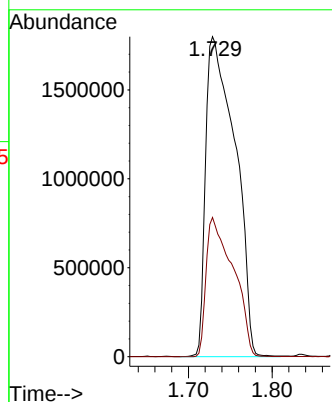
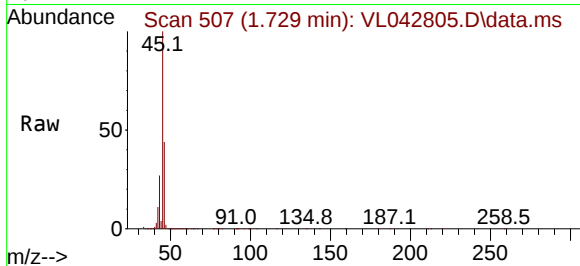




#13
Ethanol
Concen: 5899.855 ppbv
RT: 1.729 min Scan# 504
Delta R.T. 0.010 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

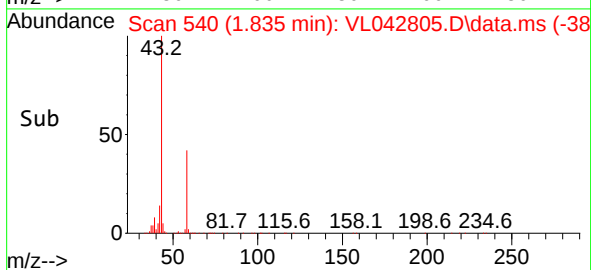
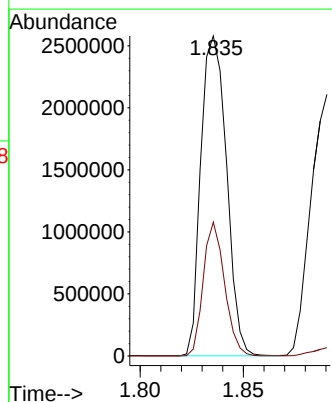
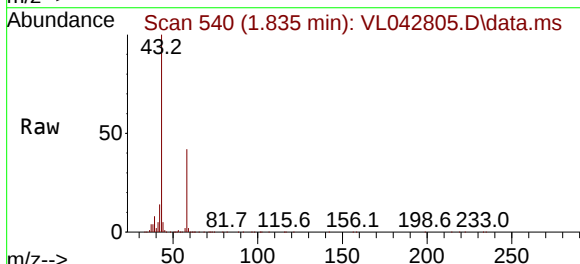
Instrument :
MSVOA_L
ClientSampleId :

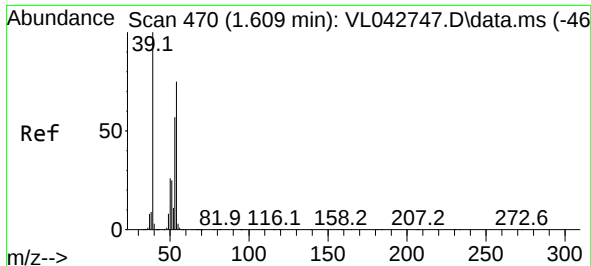
Tgt Ion: 45 Resp: 4402737
Ion Ratio Lower Upper
45 100
46 40.3 17.8 71.4



#15
Acetone
Concen: 98.664 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

Tgt Ion: 43 Resp: 2230155
Ion Ratio Lower Upper
43 100
58 34.7 19.8 29.8#

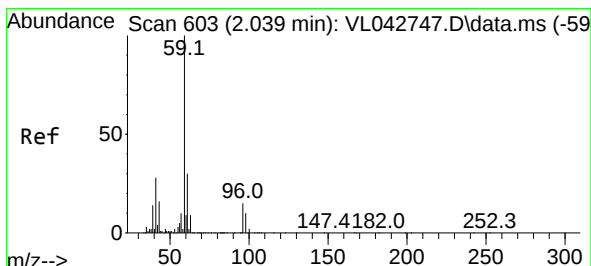
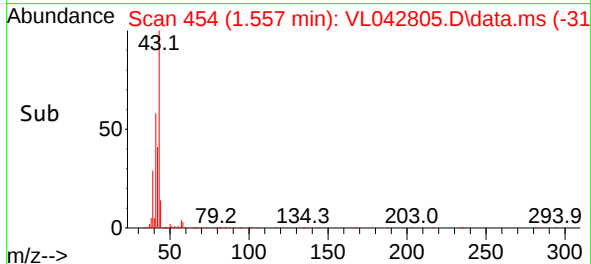
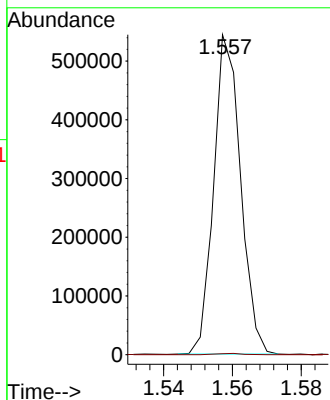
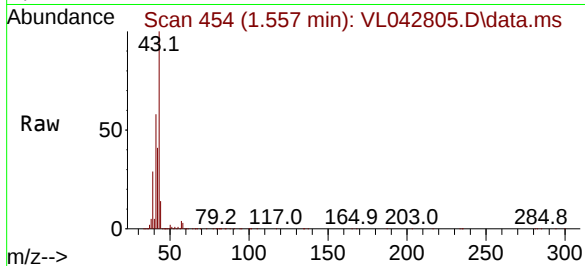




#16
1,3-Butadiene
Concen: 30.590 ppbv
RT: 1.557 min Scan# 41
Delta R.T. -0.052 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

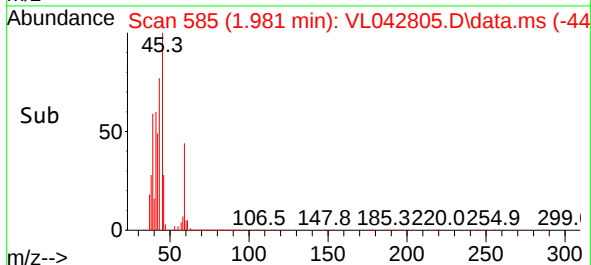
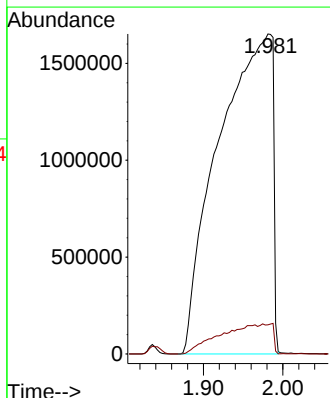
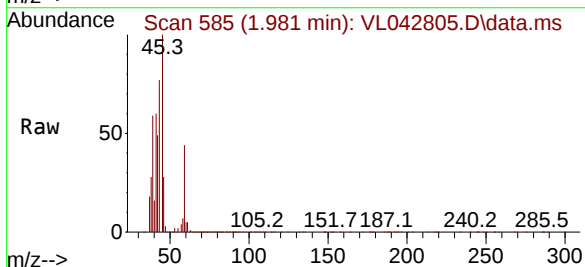
Instrument :
MSVOA_L
ClientSampleId :

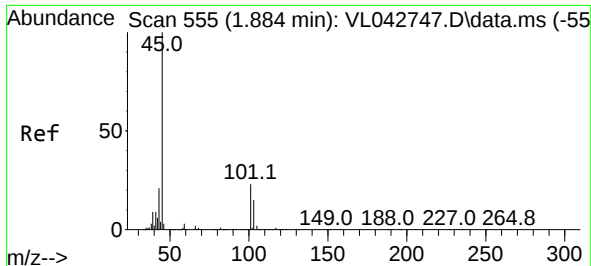
Tgt Ion: 39 Resp: 294928
Ion Ratio Lower Upper
39 100
54 0.4 54.5 81.7#



#17
tert-Butyl alcohol
Concen: 382.772 ppbv
RT: 1.981 min Scan# 585
Delta R.T. -0.058 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

Tgt Ion: 59 Resp: 7803221
Ion Ratio Lower Upper
59 100
57 9.1 8.3 12.5





#19

Isopropyl Alcohol

Concen: 1213.505 ppbv

RT: 1.942 min Scan# 51

Delta R.T. 0.058 min

Lab File: VL042805.D

Acq: 04 Aug 2025 15:10

Instrument :

MSVOA_L

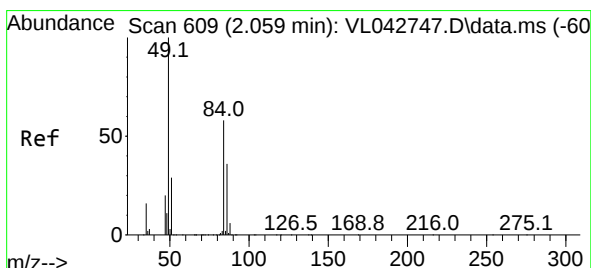
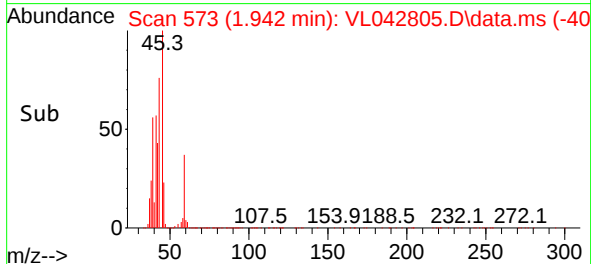
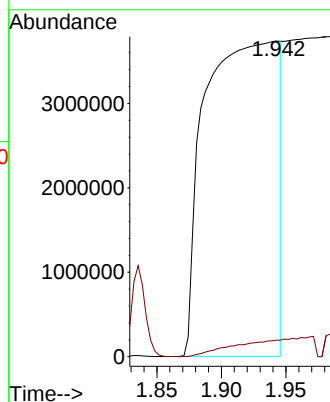
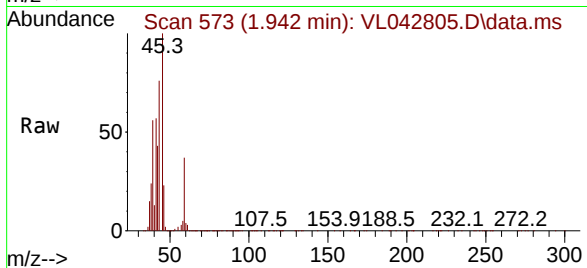
ClientSampleId :

Tgt Ion: 45 Resp:14576391

Ion Ratio Lower Upper

45 100

58 6.0 30.0 45.0#



#20

Methylene Chloride

Concen: 2.213 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.006 min

Lab File: VL042805.D

Acq: 04 Aug 2025 15:10

Tgt Ion: 84 Resp: 15760

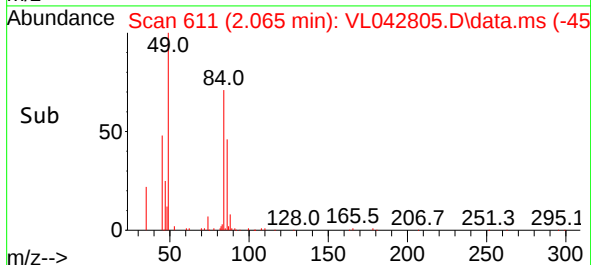
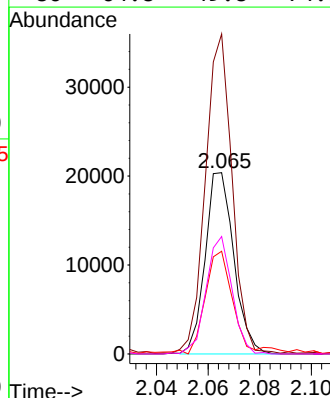
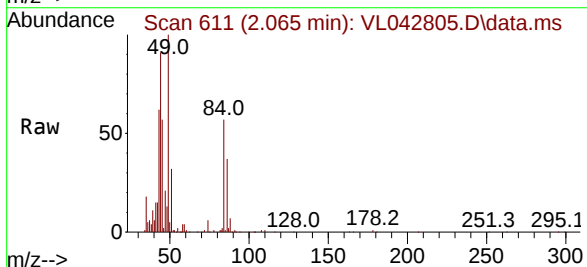
Ion Ratio Lower Upper

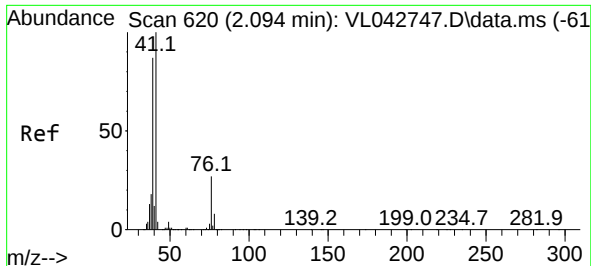
84 100

49 176.0 138.6 208.0

51 54.6 40.6 61.0

86 64.8 49.8 74.8

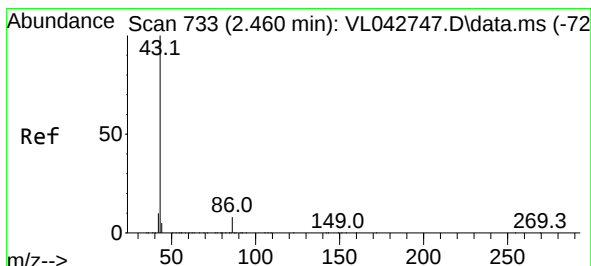
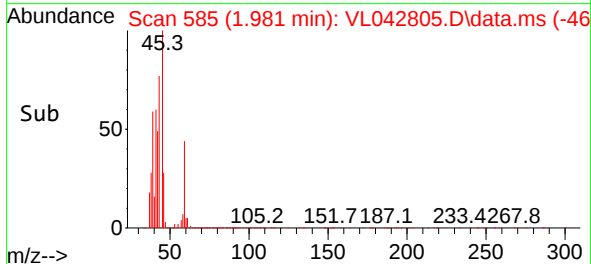
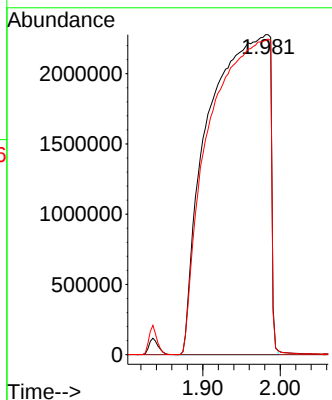
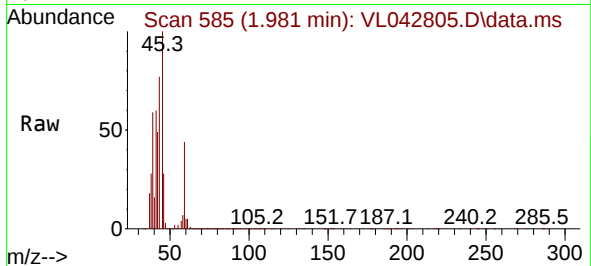




#21
 Allyl Chloride
 Concen: 892.893 ppbv
 RT: 1.981 min Scan# 51
 Delta R.T. -0.113 min
 Lab File: VL042805.D
 Acq: 04 Aug 2025 15:10

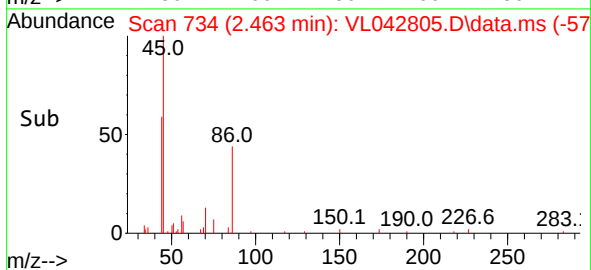
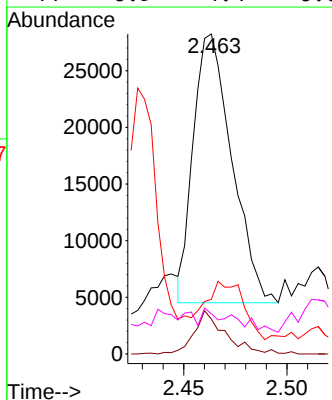
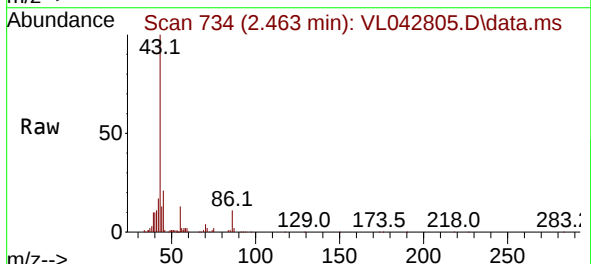
Instrument :
 MSVOA_L
 ClientSampleId :

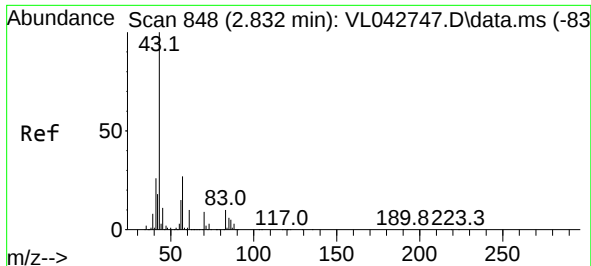
Tgt Ion: 41 Resp:12438821
 Ion Ratio Lower Upper
 41 100
 76 0.4 21.1 31.7#
 39 97.1 68.3 102.5



#23
 Vinyl Acetate
 Concen: 1.123 ppbv
 RT: 2.463 min Scan# 734
 Delta R.T. 0.003 min
 Lab File: VL042805.D
 Acq: 04 Aug 2025 15:10

Tgt Ion: 43 Resp: 30783
 Ion Ratio Lower Upper
 43 100
 86 12.7 6.1 9.1#
 42 13.6 7.8 11.8#
 44 6.9 4.4 6.6#

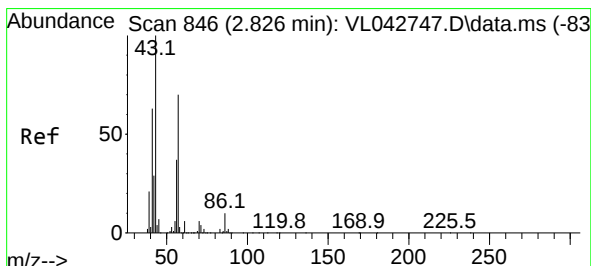
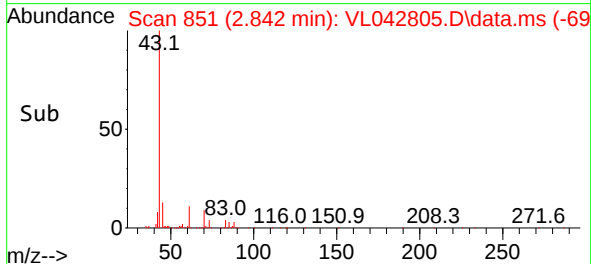
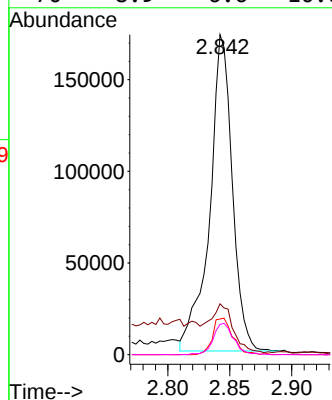
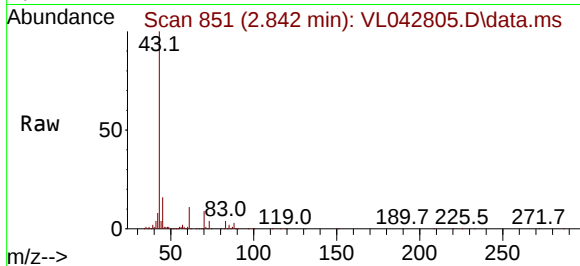




#25
Ethyl Acetate
Concen: 4.402 ppbv
RT: 2.842 min Scan# 848
Delta R.T. 0.010 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

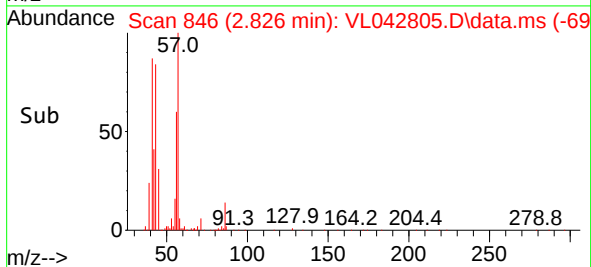
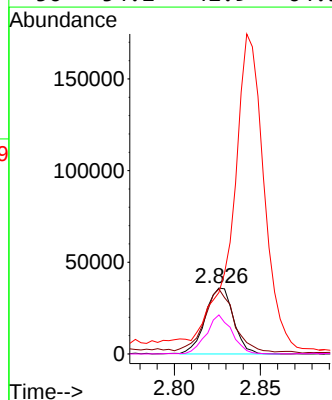
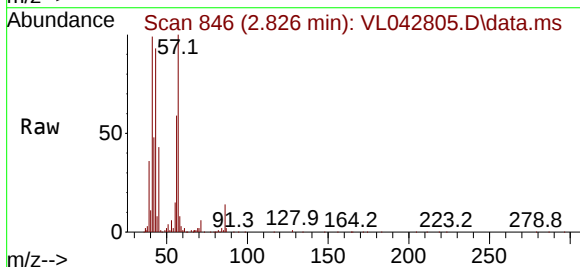
Instrument :
MSVOA_L
ClientSampleId :

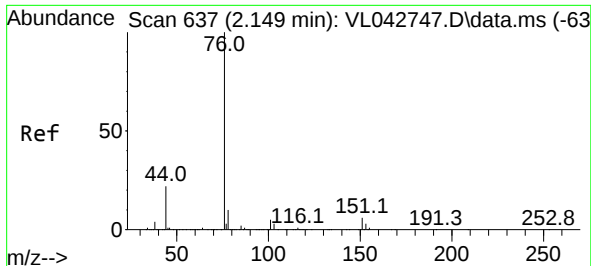
Tgt Ion: 43 Resp: 220242
Ion Ratio Lower Upper
43 100
45 22.7 7.8 11.6#
61 10.3 6.7 10.1#
70 8.9 6.6 10.0



#26
Hexane
Concen: 1.865 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

Tgt Ion: 57 Resp: 40934
Ion Ratio Lower Upper
57 100
41 116.8 75.4 113.2#
43 611.7 185.0 277.6#
56 54.2 42.9 64.3

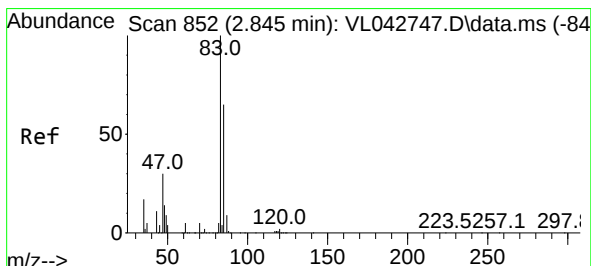
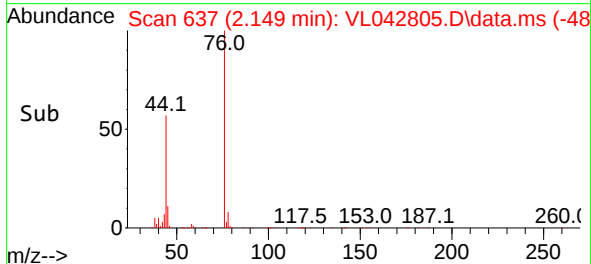
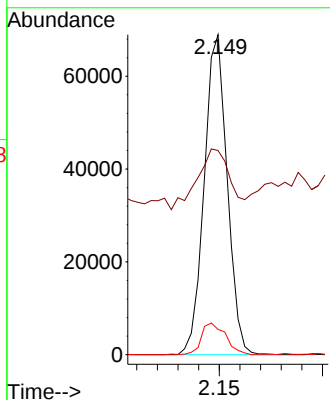
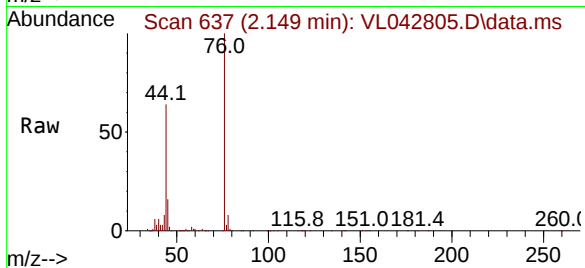




#27
Carbon Disulfide
Concen: 2.831 ppbv
RT: 2.149 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

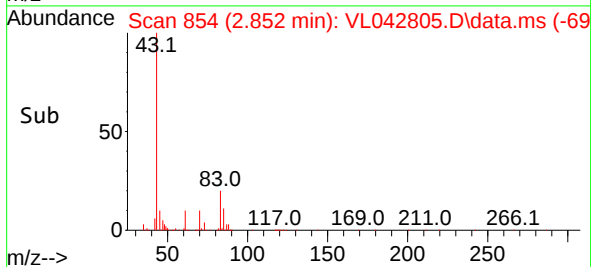
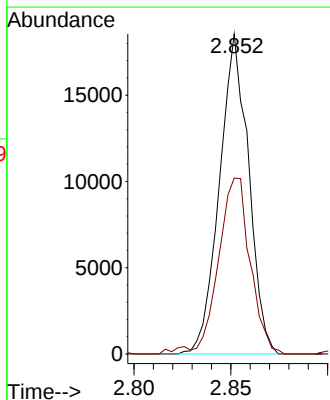
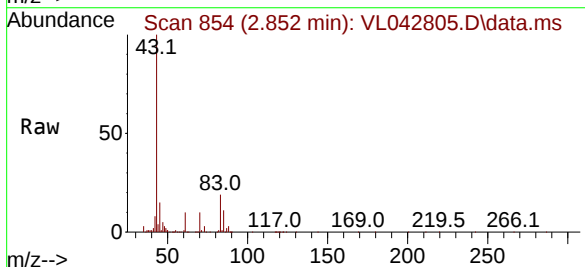
Instrument :
MSVOA_L
ClientSampleId :

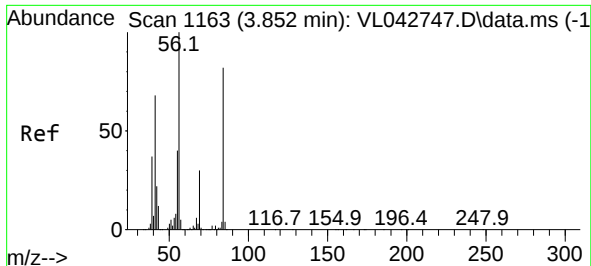
Tgt Ion: 76 Resp: 53193
Ion Ratio Lower Upper
76 100
44 0.0 19.3 28.9#
78 10.5 9.9 14.9



#29
Chloroform
Concen: 0.572 ppbv
RT: 2.852 min Scan# 854
Delta R.T. 0.006 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

Tgt Ion: 83 Resp: 19399
Ion Ratio Lower Upper
83 100
85 53.7 52.2 78.2

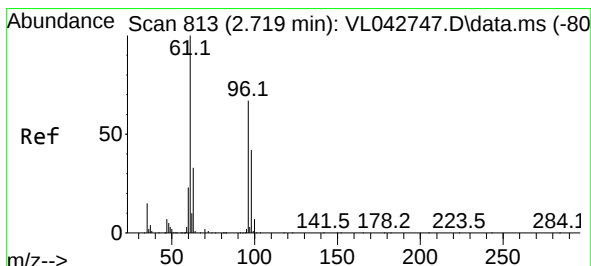
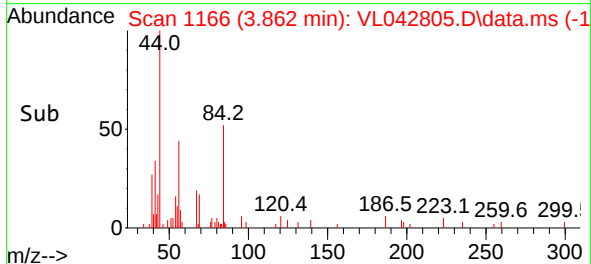
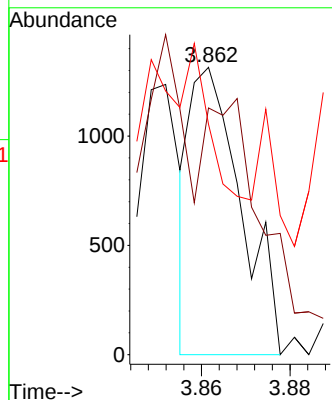
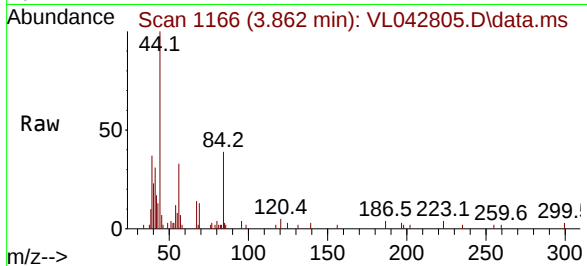




#30
Cyclohexane
Concen: 0.056 ppbv
RT: 3.862 min Scan# 1163
Delta R.T. 0.010 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

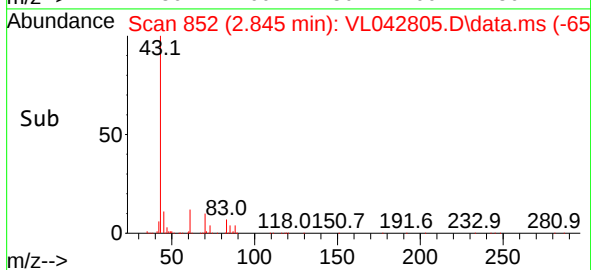
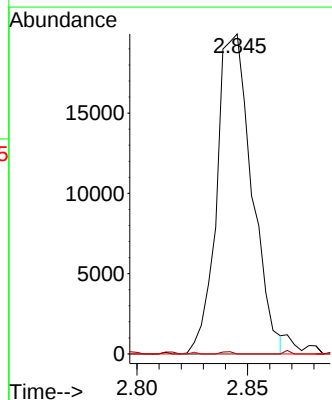
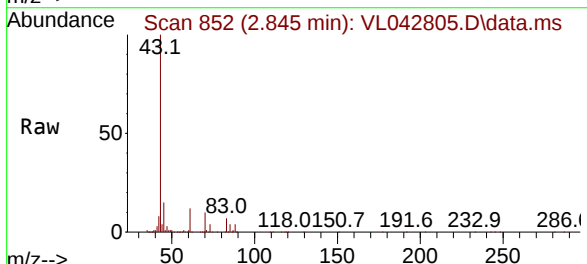
Instrument :
MSVOA_L
ClientSampleId :

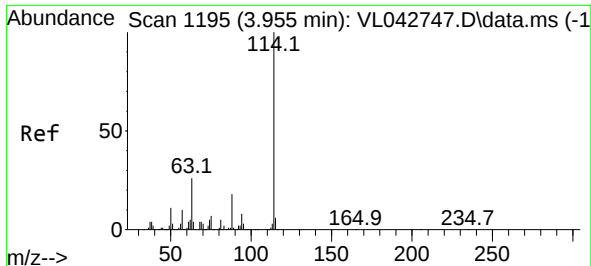
Tgt Ion: 84 Resp: 1045
Ion Ratio Lower Upper
84 100
56 0.0 97.5 146.3#
41 321.5 67.2 100.8#



#31
cis-1,2-Dichloroethene
Concen: 0.974 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.126 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

Tgt Ion: 61 Resp: 21971
Ion Ratio Lower Upper
61 100
96 0.0 53.5 80.3#
98 0.0 33.6 50.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.003 min

Lab File: VL042805.D

Acq: 04 Aug 2025 15:10

Instrument :

MSVOA_L

ClientSampleId :

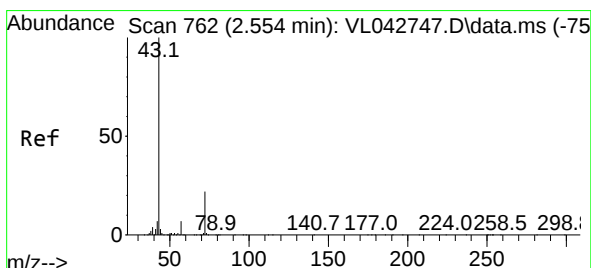
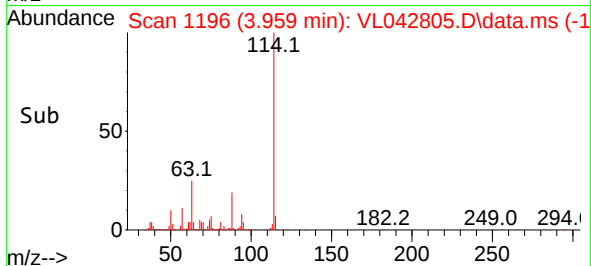
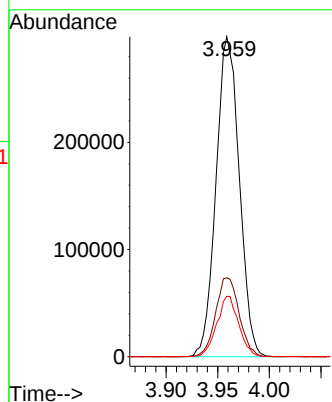
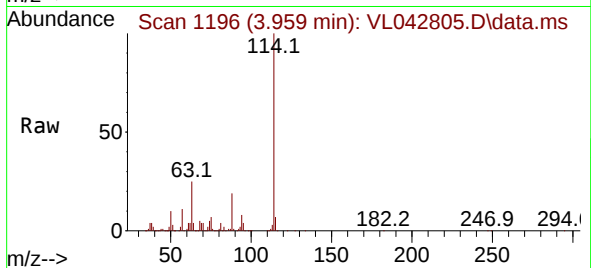
Tgt Ion:114 Resp: 467931

Ion Ratio Lower Upper

114 100

63 25.0 20.5 30.7

88 17.8 14.0 21.0



#34

2-Butanone

Concen: 0.980 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.013 min

Lab File: VL042805.D

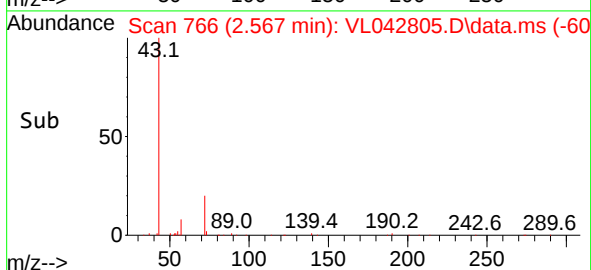
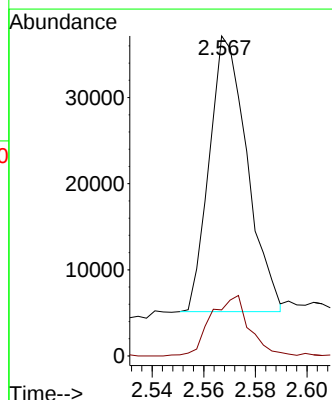
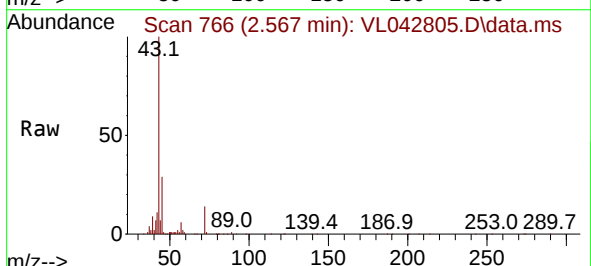
Acq: 04 Aug 2025 15:10

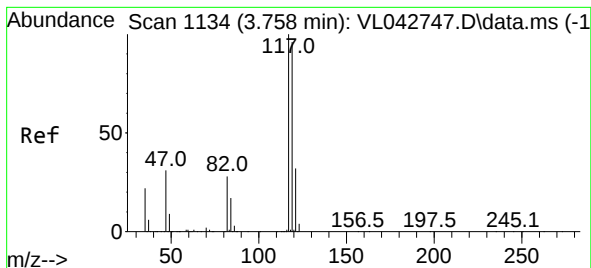
Tgt Ion: 43 Resp: 32492

Ion Ratio Lower Upper

43 100

72 23.1 17.4 26.0





#35

Carbon Tetrachloride

Concen: 0.039 ppbv

RT: 3.761 min Scan# 1135

Delta R.T. 0.003 min

Lab File: VL042805.D

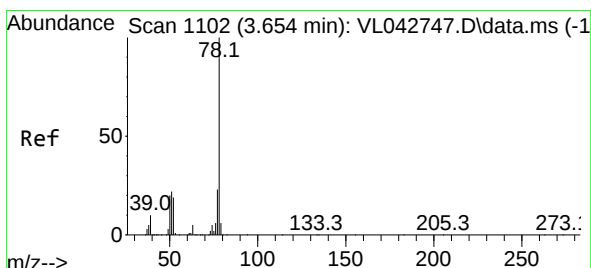
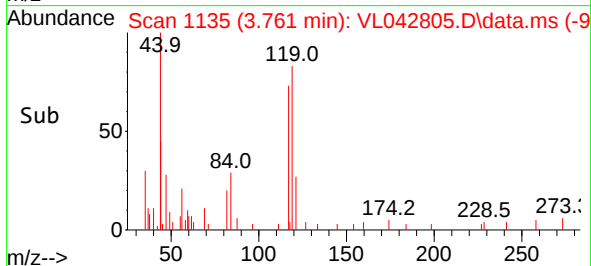
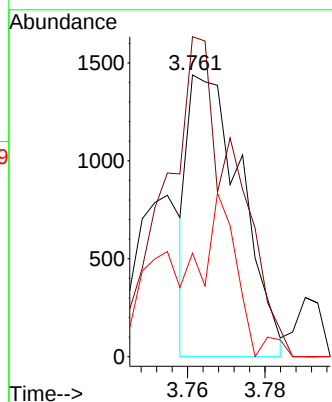
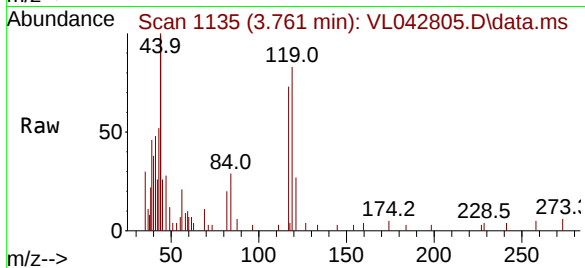
Acq: 04 Aug 2025 15:10

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	117	Resp:	1365
Ion	Ratio	Lower	Upper
117	100		
119	104.8	77.1	115.7
121	31.1	25.5	38.3



#36

Benzene

Concen: 0.274 ppbv

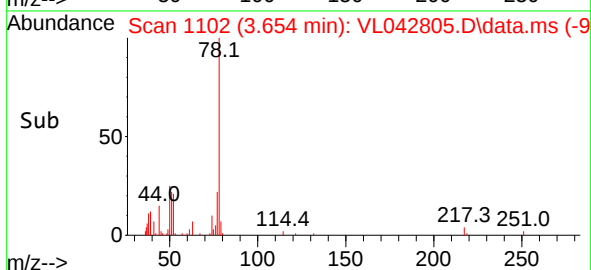
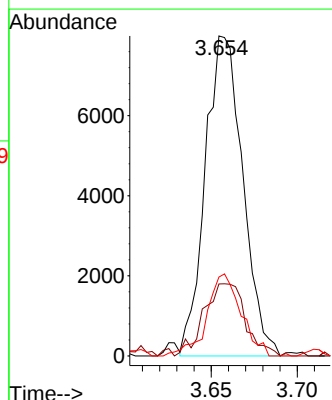
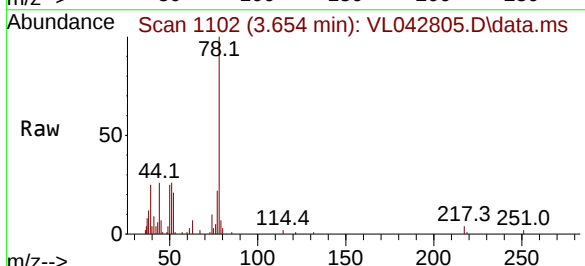
RT: 3.654 min Scan# 1102

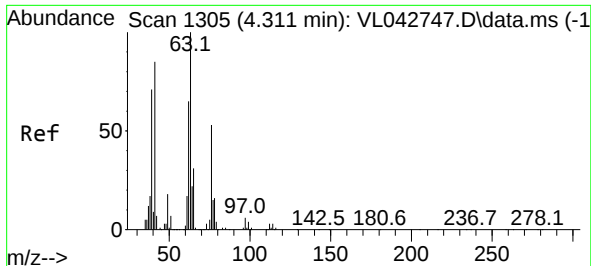
Delta R.T. 0.000 min

Lab File: VL042805.D

Acq: 04 Aug 2025 15:10

Tgt Ion:	78	Resp:	12134
Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.5	27.7
50	24.6	16.2	24.2





#39

1,2-Dichloropropane

Concen: 7.102 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.353 min

Lab File: VL042805.D

Acq: 04 Aug 2025 15:10

Instrument :

MSVOA_L

ClientSampleId :

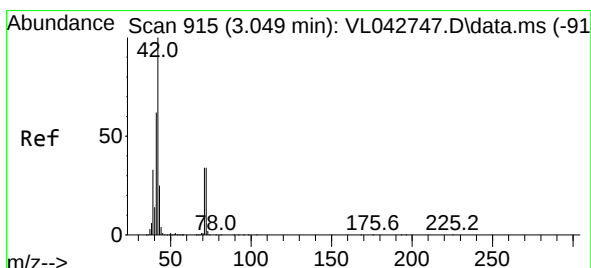
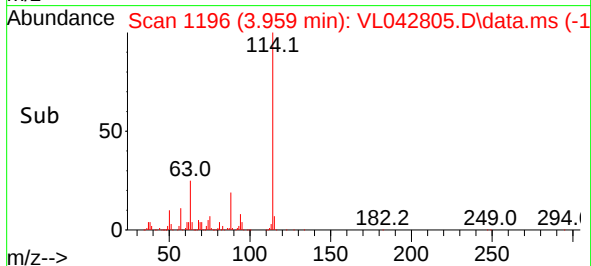
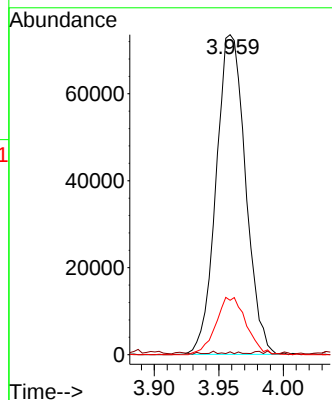
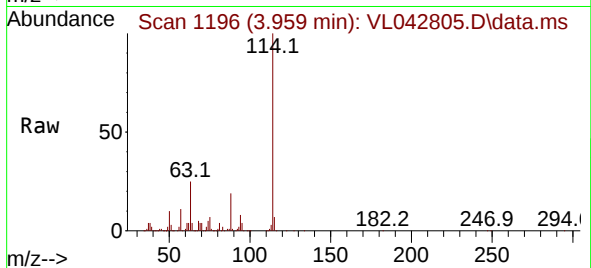
Tgt Ion: 63 Resp: 116251

Ion Ratio Lower Upper

63 100

41 0.5 68.2 102.4#

62 17.0 52.0 78.0#



#41

Tetrahydrofuran

Concen: 0.152 ppbv

RT: 3.078 min Scan# 924

Delta R.T. 0.029 min

Lab File: VL042805.D

Acq: 04 Aug 2025 15:10

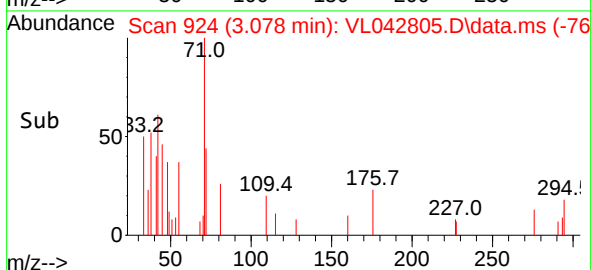
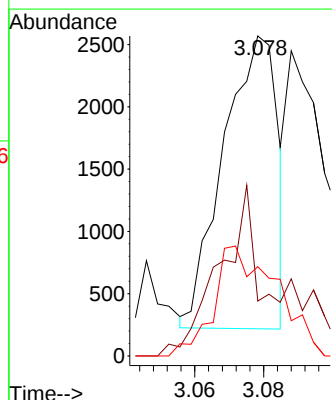
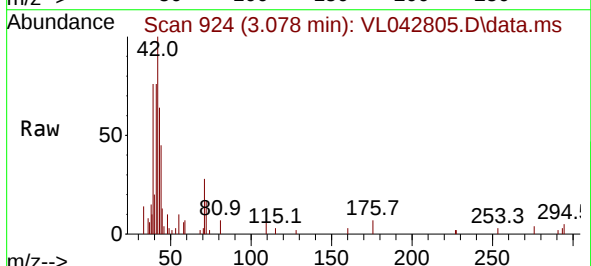
Tgt Ion: 42 Resp: 2570

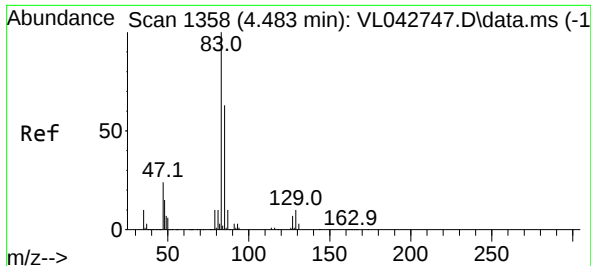
Ion Ratio Lower Upper

42 100

72 64.0 30.9 46.3#

71 43.7 28.6 43.0#





#42

Bromodichloromethane

Concen: 0.024 ppbv

RT: 4.489 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL042805.D

Acq: 04 Aug 2025 15:10

Instrument :

MSVOA_L

ClientSampleId :

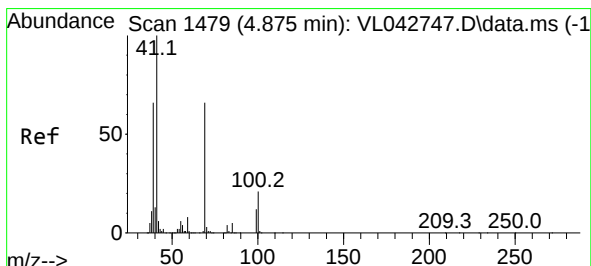
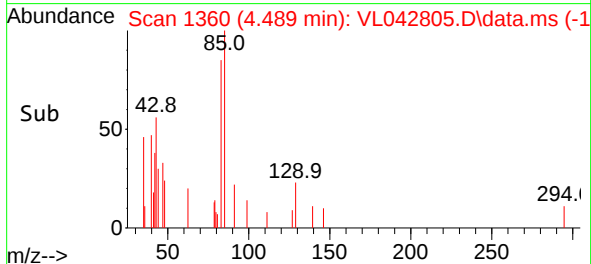
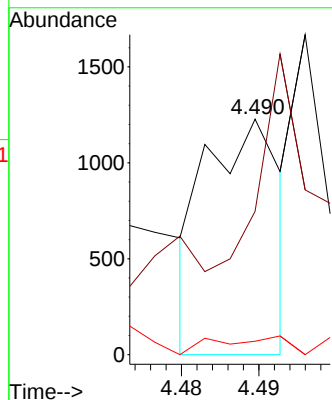
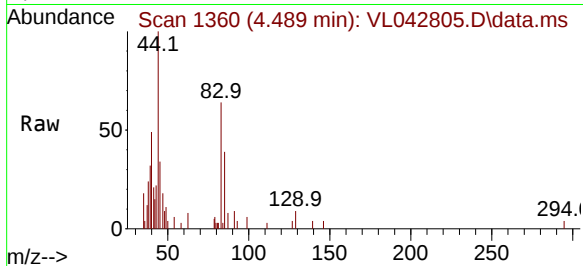
Tgt Ion: 83 Resp: 820

Ion Ratio Lower Upper

83 100

85 20.8 50.2 75.4#

127 11.3 5.4 8.2#



#43

Methyl Methacrylate

Concen: 0.041 ppbv

RT: 4.884 min Scan# 1482

Delta R.T. 0.010 min

Lab File: VL042805.D

Acq: 04 Aug 2025 15:10

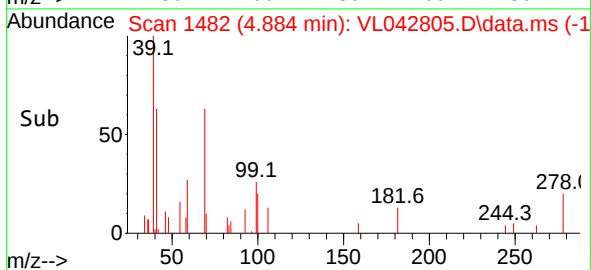
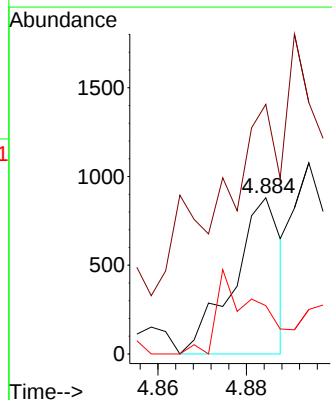
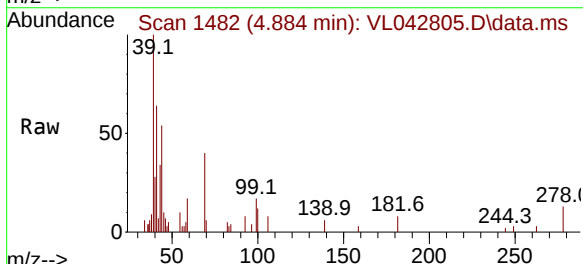
Tgt Ion: 69 Resp: 645

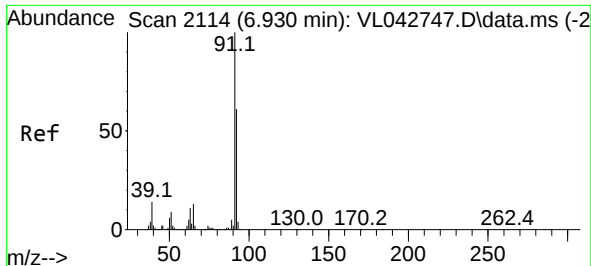
Ion Ratio Lower Upper

69 100

41 0.0 125.7 188.5#

100 83.4 28.6 42.8#

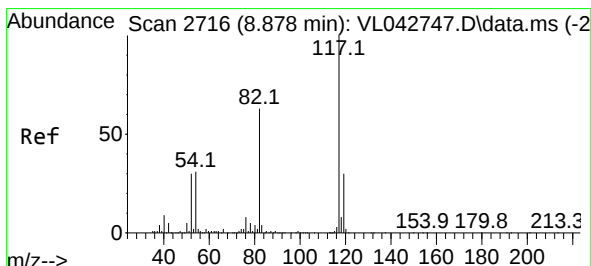
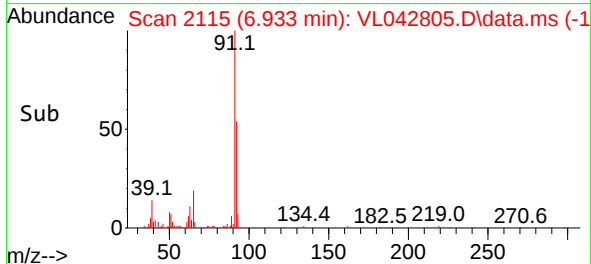
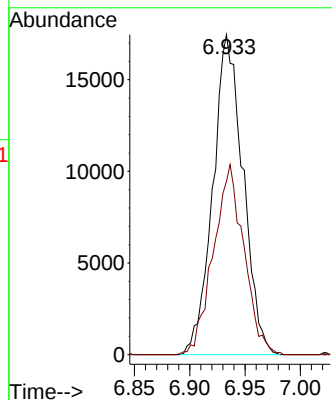
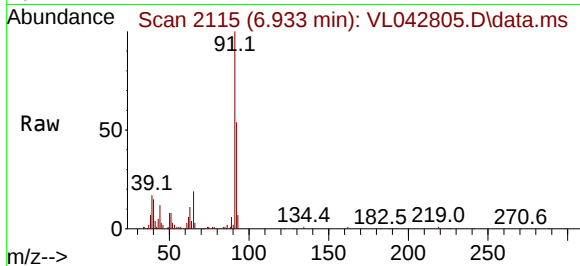




#53
Toluene
Concen: 0.693 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

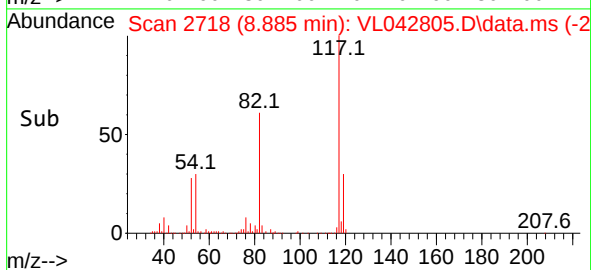
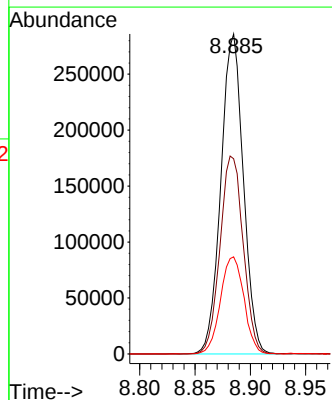
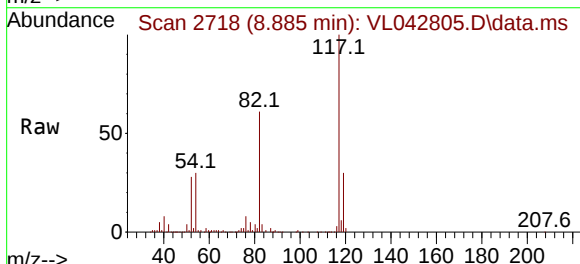
Instrument :
MSVOA_L
ClientSampleId :

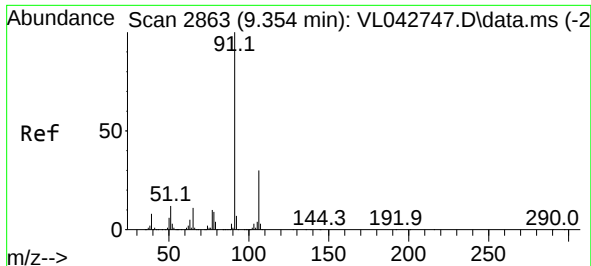
Tgt Ion: 91 Resp: 33005
Ion Ratio Lower Upper
91 100
92 60.3 48.0 72.0



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. 0.006 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

Tgt Ion: 117 Resp: 403577
Ion Ratio Lower Upper
117 100
82 64.0 53.3 79.9
119 31.8 25.8 38.6

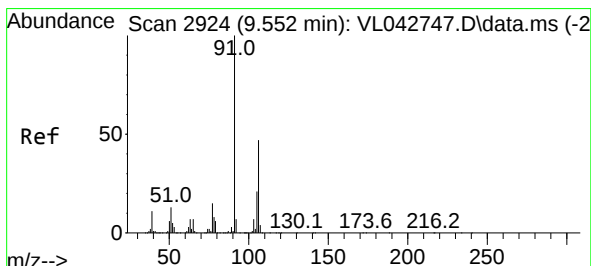
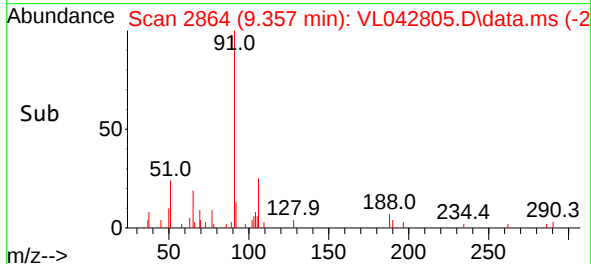
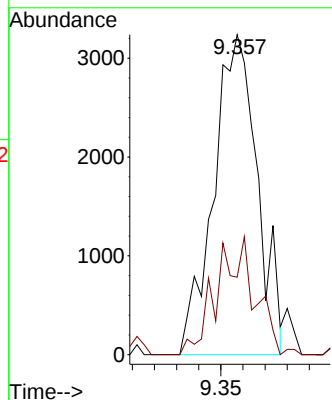
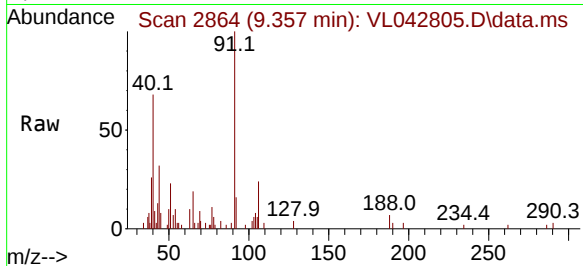




#58
Ethyl Benzene
Concen: 0.070 ppbv
RT: 9.357 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

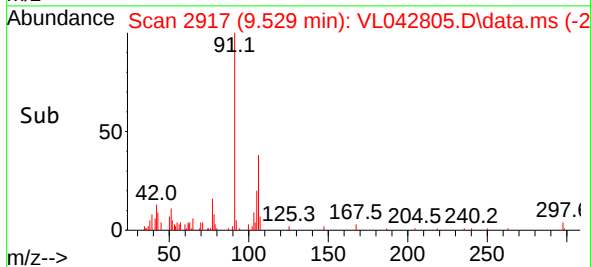
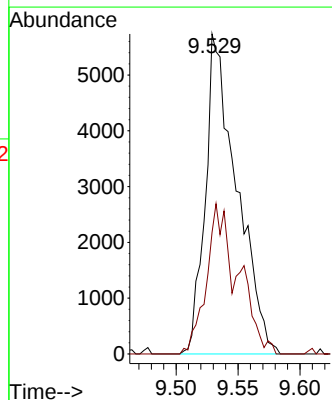
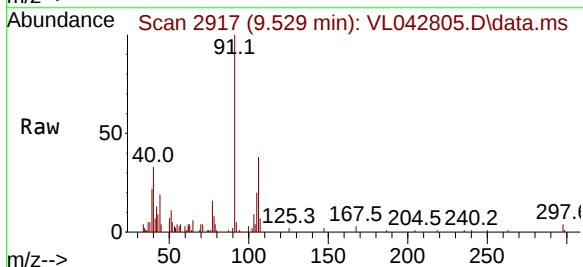
Instrument :
MSVOA_L
ClientSampleId :

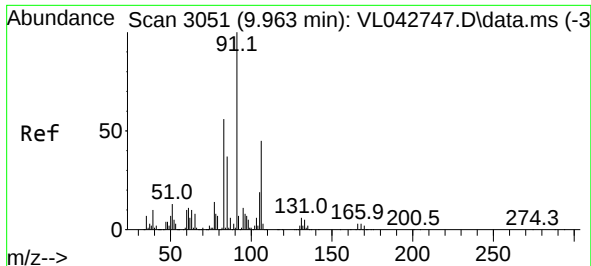
Tgt Ion: 91 Resp: 4460
Ion Ratio Lower Upper
91 100
106 24.2 23.8 35.6



#59
m/p-Xylene
Concen: 0.199 ppbv
RT: 9.529 min Scan# 2917
Delta R.T. -0.023 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

Tgt Ion: 91 Resp: 10128
Ion Ratio Lower Upper
91 100
106 47.0 37.4 56.2

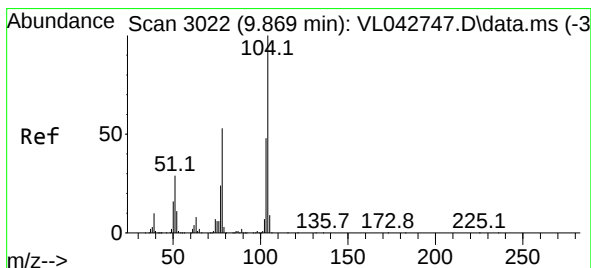
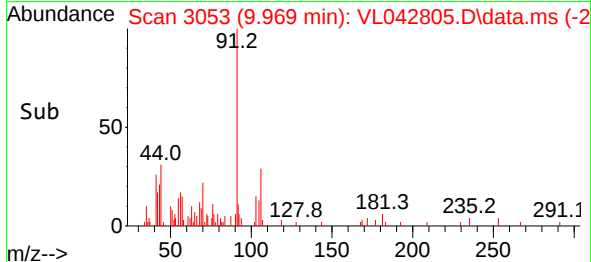
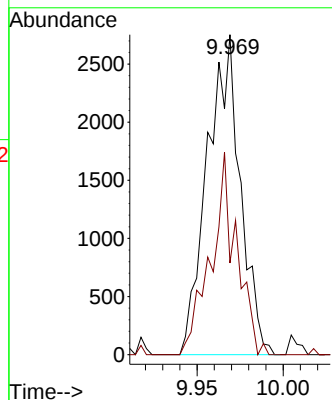
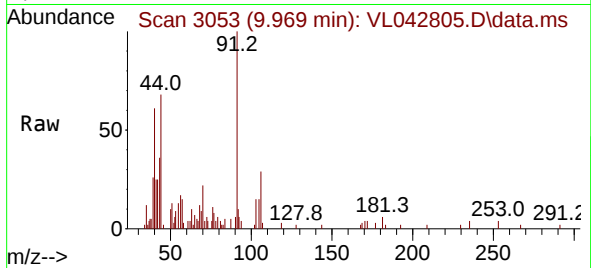




#60
o-Xylene
Concen: 0.072 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.006 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

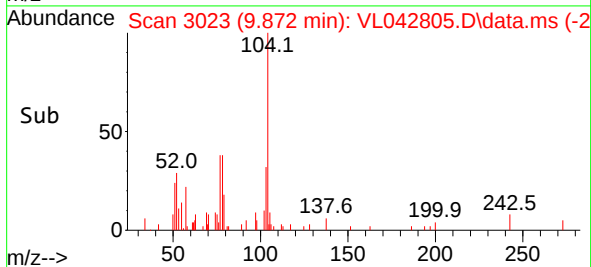
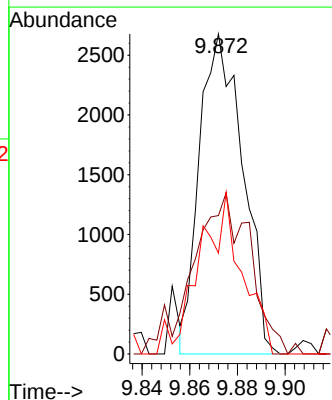
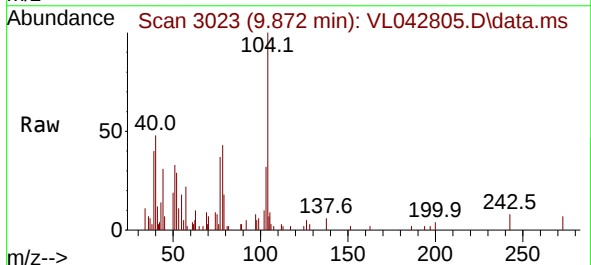
Instrument :
MSVOA_L
ClientSampleId :

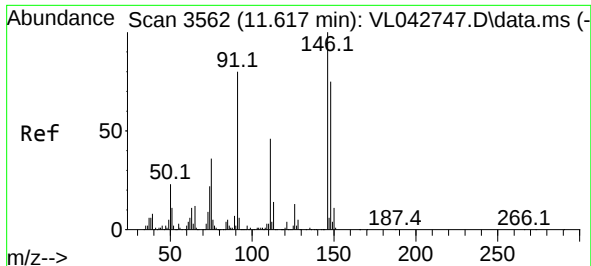
Tgt Ion: 91 Resp: 3671
Ion Ratio Lower Upper
91 100
106 49.5 22.0 66.0



#61
Styrene
Concen: 0.158 ppbv
RT: 9.872 min Scan# 3023
Delta R.T. 0.003 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

Tgt Ion: 104 Resp: 3389
Ion Ratio Lower Upper
104 100
78 68.1 41.5 62.3#
103 49.9 37.5 56.3

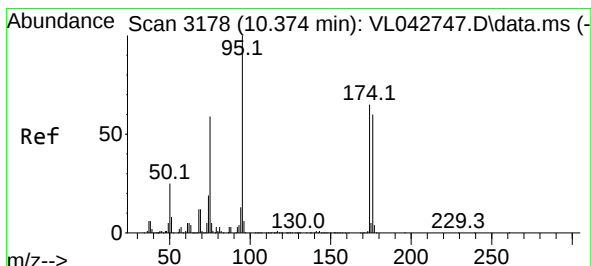
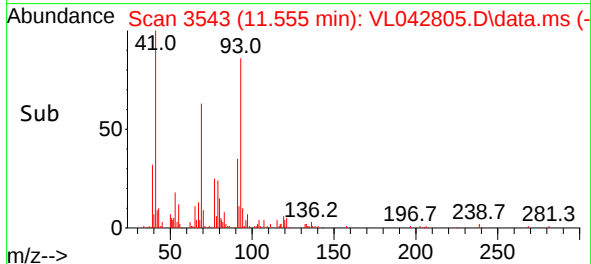
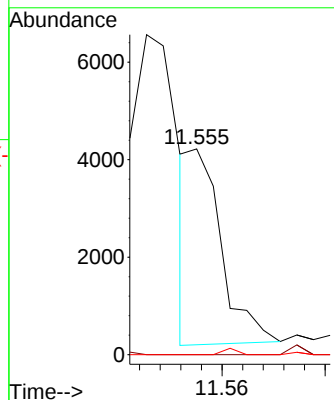
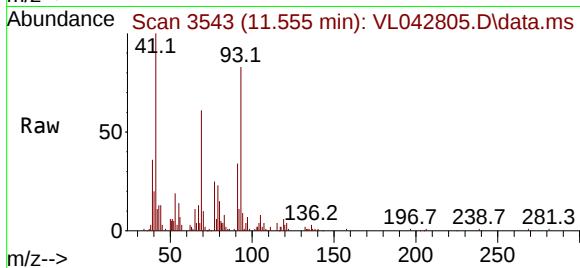




#66
Benzyl Chloride
Concen: 0.317 ppbv
RT: 11.555 min Scan# 3180
Delta R.T. -0.061 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

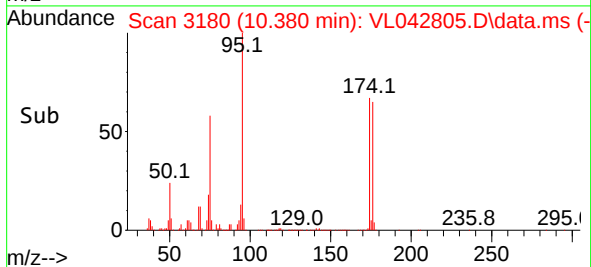
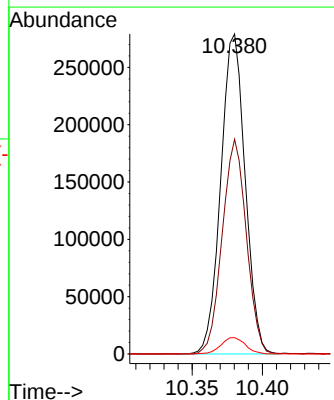
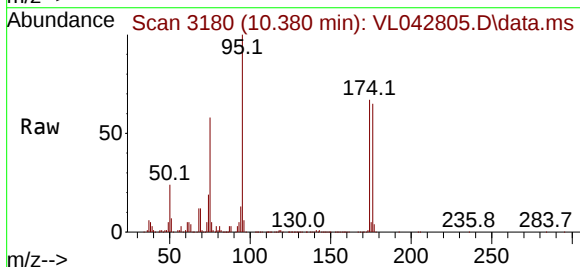
Instrument :
MSVOA_L
ClientSampleId :

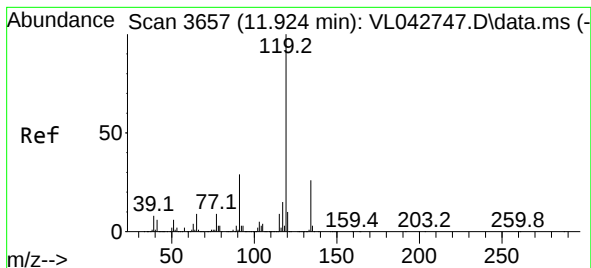
Tgt Ion: 91 Resp: 1735
Ion Ratio Lower Upper
91 100
126 0.0 14.4 21.6#
128 2.0 5.2 7.8#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.523 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.006 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

Tgt Ion: 95 Resp: 336326
Ion Ratio Lower Upper
95 100
174 66.6 53.8 80.6
175 5.1 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.557 ppbv

RT: 11.927 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL042805.D

Acq: 04 Aug 2025 15:10

Instrument :

MSVOA_L

ClientSampleId :

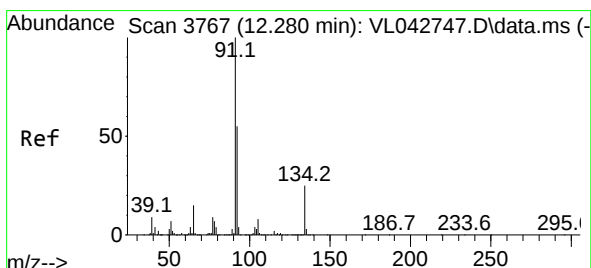
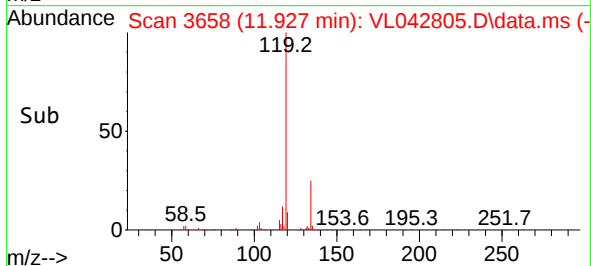
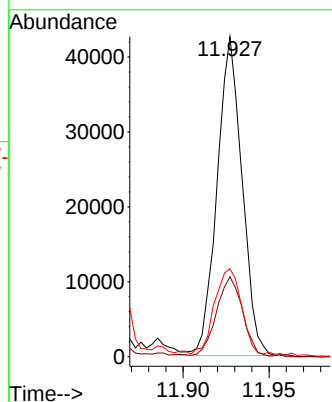
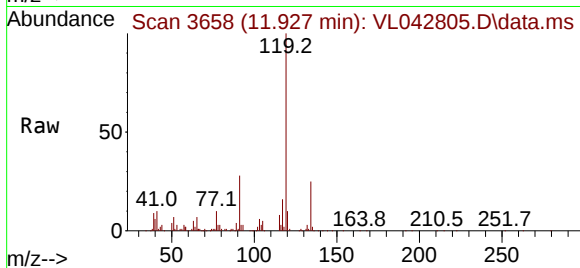
Tgt Ion:119 Resp: 43073

Ion Ratio Lower Upper

119 100

134 26.6 20.6 31.0

91 31.2 23.2 34.8



#70

n-Butylbenzene

Concen: 0.175 ppbv

RT: 12.348 min Scan# 3788

Delta R.T. 0.068 min

Lab File: VL042805.D

Acq: 04 Aug 2025 15:10

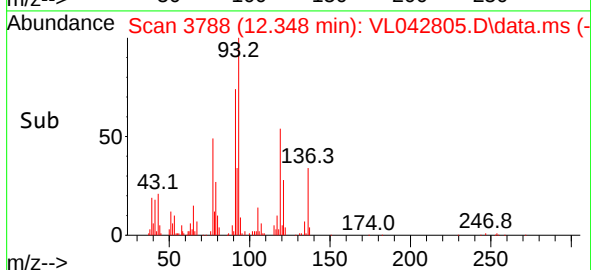
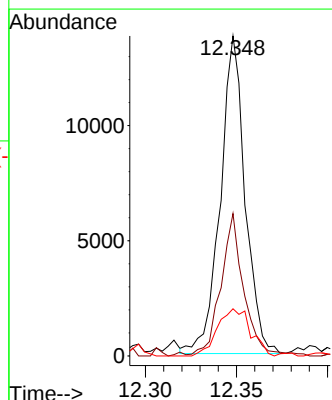
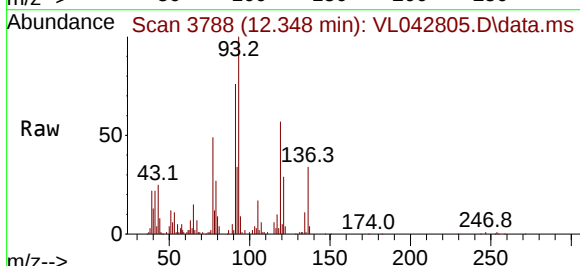
Tgt Ion: 91 Resp: 13039

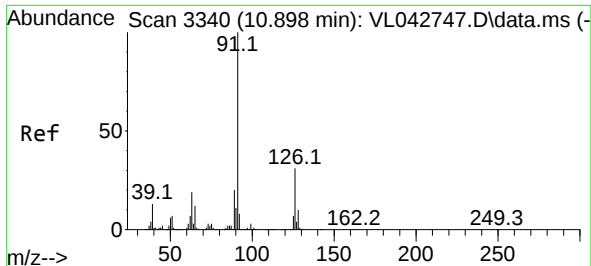
Ion Ratio Lower Upper

91 100

92 42.1 43.4 65.2#

134 20.5 19.6 29.4

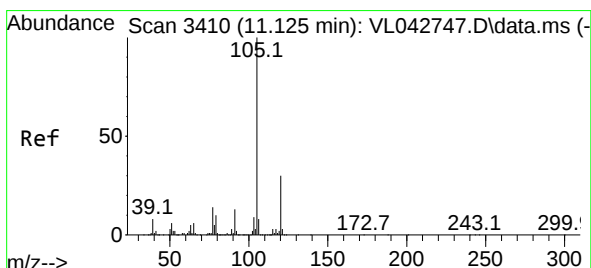
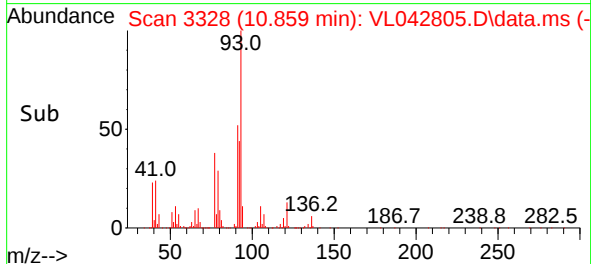
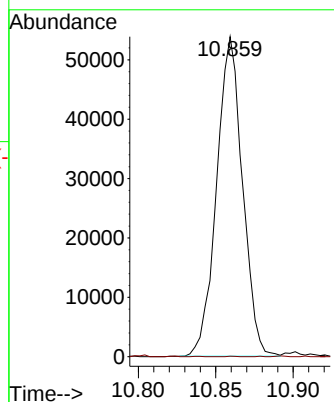
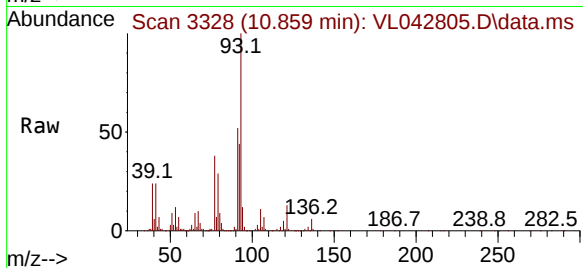




#71
2-Chlorotoluene
Concen: 1.086 ppbv
RT: 10.859 min Scan# 311
Delta R.T. -0.039 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

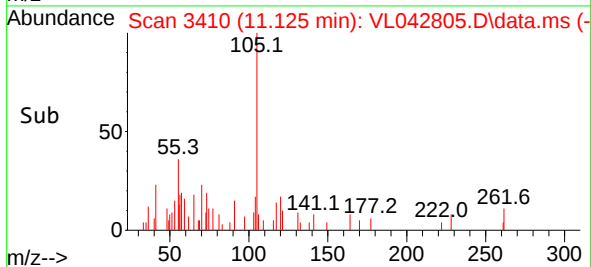
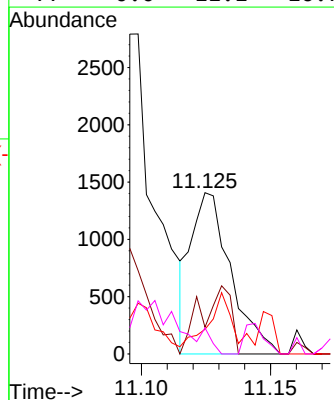
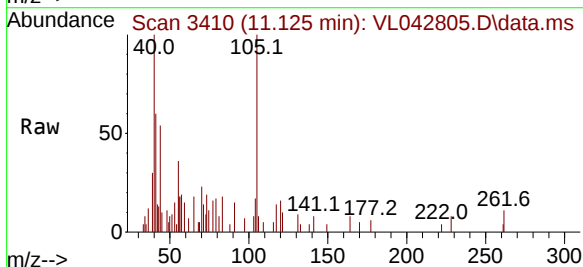
Instrument :
MSVOA_L
ClientSampleId :

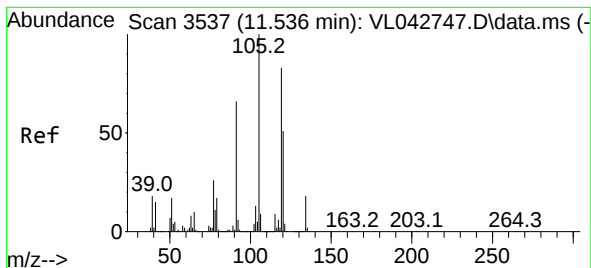
Tgt Ion: 91 Resp: 62538
Ion Ratio Lower Upper
91 100
126 0.2 12.0 48.2#



#72
4-Ethyltoluene
Concen: 0.025 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.000 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

Tgt Ion:105 Resp: 1510
Ion Ratio Lower Upper
105 100
120 0.0 24.4 36.6#
91 0.0 10.6 15.8#
77 0.0 11.1 16.7#





#74

1,2,4-Trimethylbenzene

Concen: 0.108 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.000 min

Lab File: VL042805.D

Acq: 04 Aug 2025 15:10

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:105 Resp: 5892

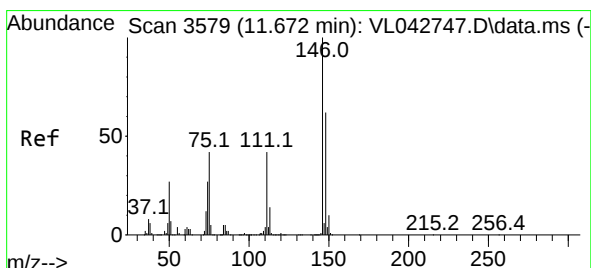
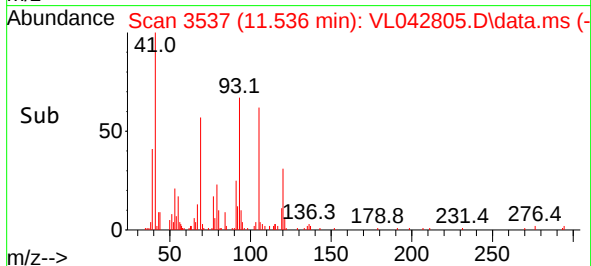
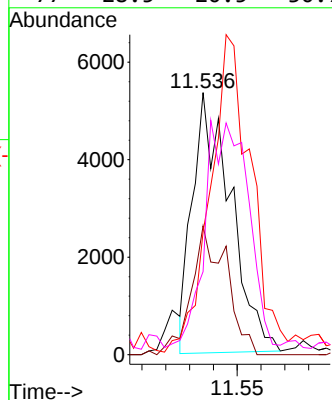
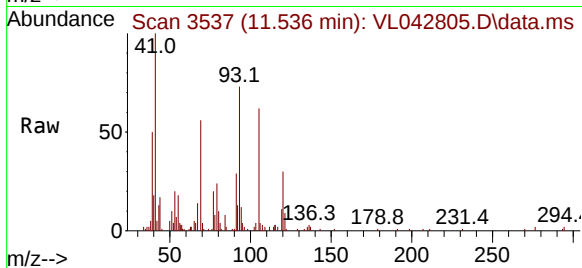
Ion Ratio Lower Upper

105 100

120 47.6 40.8 61.2

91 41.3 53.0 79.4#

77 28.5 20.5 30.7



#76

1,4-Dichlorobenzene

Concen: 0.049 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.003 min

Lab File: VL042805.D

Acq: 04 Aug 2025 15:10

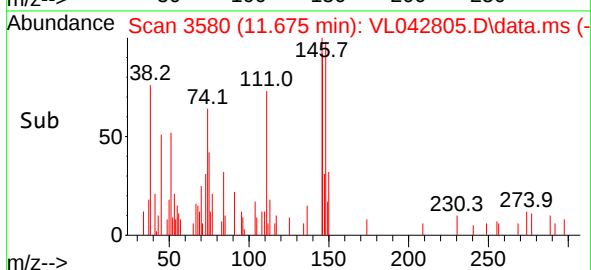
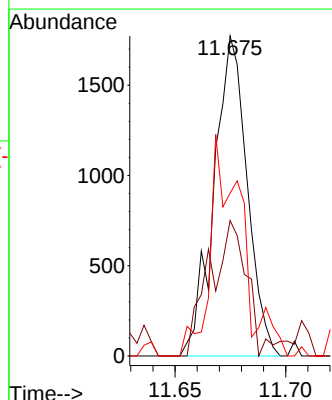
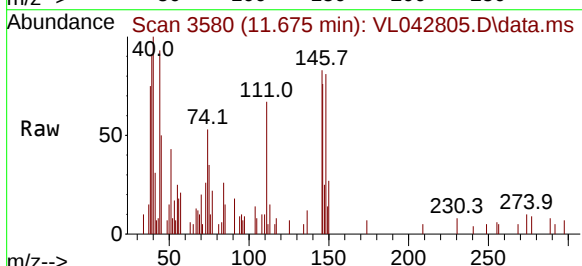
Tgt Ion:146 Resp: 1848

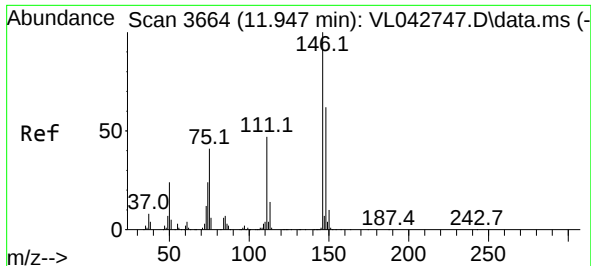
Ion Ratio Lower Upper

146 100

111 63.1 21.4 64.2

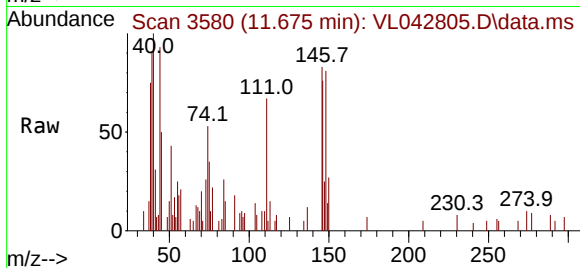
148 66.8 32.1 96.3



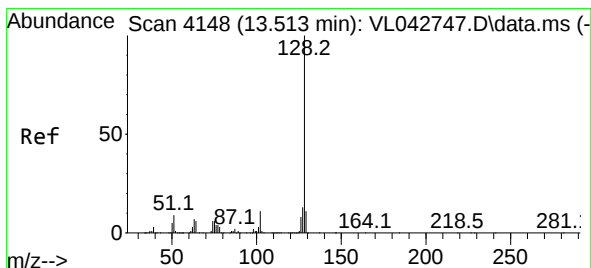
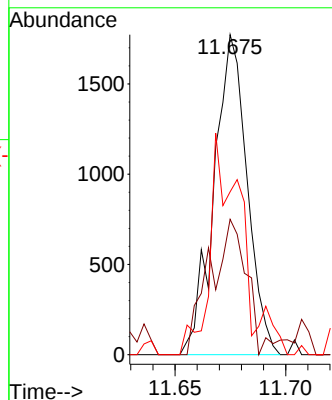
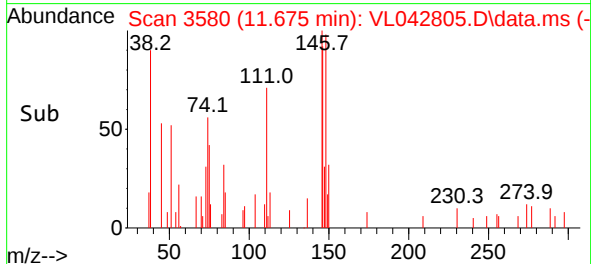


#77
1,2-Dichlorobenzene
Concen: 0.049 ppbv
RT: 11.675 min Scan# 31
Delta R.T. -0.272 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

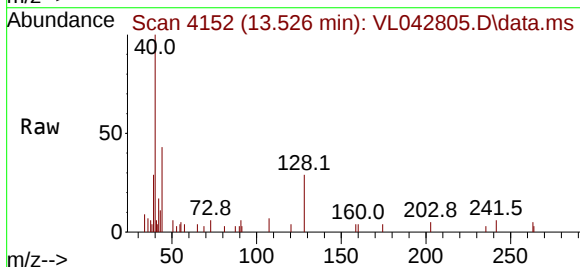
Instrument :
MSVOA_L
ClientSampleId :



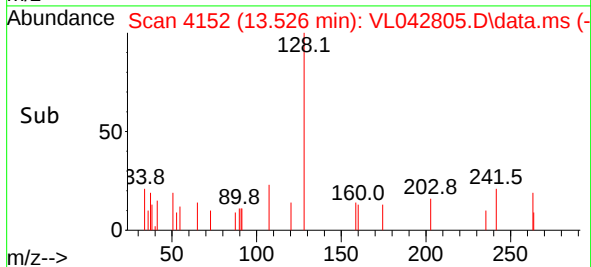
Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.6	23.7	71.1
148	69.0	32.6	97.7

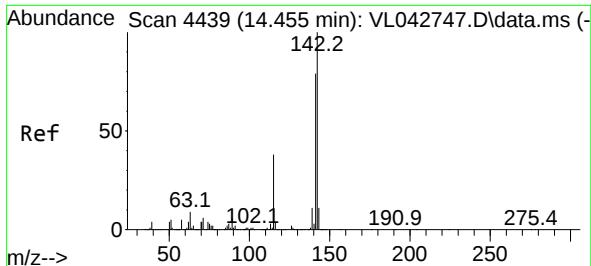


#79
Naphthalene
Concen: 0.438 ppbv
RT: 13.526 min Scan# 4152
Delta R.T. 0.013 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10



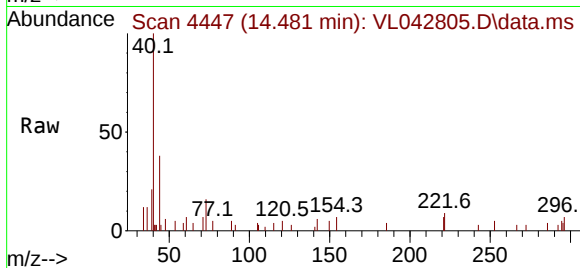
Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.6	13.0#



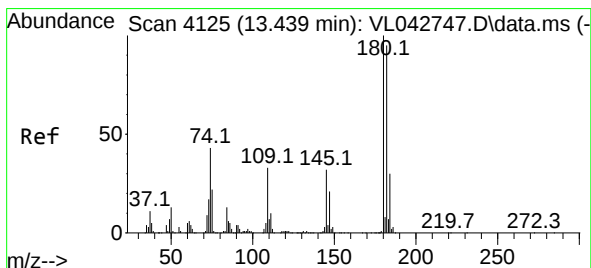
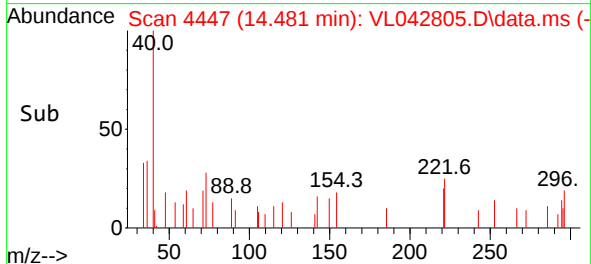
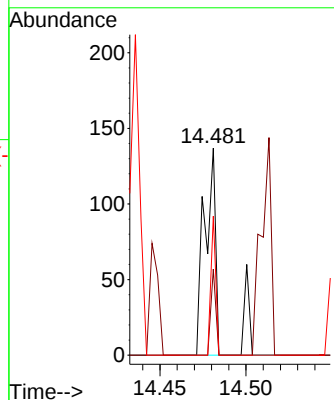


#80
Naphthalene, 2-methyl-
Concen: 1.131 ppbv
RT: 14.481 min Scan# 4439
Delta R.T. 0.026 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 142 Resp: 72
Ion Ratio Lower Upper
142 100
141 15.3 65.8 98.8#
115 25.0 31.2 46.8#



#81
1,2,4-Trichlorobenzene
Concen: 0.437 ppbv
RT: 13.445 min Scan# 4127
Delta R.T. 0.006 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

Tgt Ion: 180 Resp: 75
Ion Ratio Lower Upper
180 100
182 40.0 76.2 114.2#
184 77.3 24.8 37.2#

