

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
 Data File : VL042802.D
 Acq On : 04 Aug 2025 13:30
 Operator : SY/MD
 Sample : Q2750-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 05 01:04:19 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	2.787	49	166020	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	471810	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	410967	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.377	95	345607	10.619	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.200%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.496	85	11798	0.537	ppbv	92
3) Chlorodifluoromethane	1.473	51	1595678	55.804	ppbv #	83
4) Chloromethane	1.531	50	6035	0.680	ppbv #	86
5) Vinyl Chloride	1.483	62	925	0.105	ppbv #	44
6) Bromomethane	1.667	94	109	0.032	ppbv #	29
7) Chloroethane	1.706	64	266	0.078	ppbv #	64
8) Dichlorotetrafluoroethane	1.496	85	11798	0.654	ppbv #	22
9) Propene	1.557	41	677955	65.236	ppbv	97
10) Heptane	4.978	43	1547	0.055	ppbv #	27
11) Trichlorofluoromethane	1.874	101	4420	0.195	ppbv	84
12) 1,1,2-Trichlorotrifluo...	2.140	101	1639	0.095	ppbv	84
13) Ethanol	1.725	45	4798288	6339.911	ppbv	94
15) Acetone	1.832	43	2203330	96.111	ppbv #	80
16) 1,3-Butadiene	1.557	39	328288	33.573	ppbv #	16
17) tert-Butyl alcohol	1.984	59	8262366	399.616	ppbv	97
19) Isopropyl Alcohol	1.981	45	5244330	430.481	ppbv #	39
20) Methylene Chloride	2.062	84	13447	1.861	ppbv	93
21) Allyl Chloride	1.988	41	13037433	922.751	ppbv #	78
23) Vinyl Acetate	2.460	43	46259	1.664	ppbv #	89
24) 1,1-Dichloroethane	2.787	63	939	0.055	ppbv #	87
25) Ethyl Acetate	2.842	43	247439	4.876	ppbv #	74
26) Hexane	2.823	57	42838	1.924	ppbv #	1
27) Carbon Disulfide	2.146	76	62067	3.257	ppbv #	65
28) Methyl tert-Butyl Ether	2.444	73	215	0.020	ppbv #	50
29) Chloroform	2.852	83	20293	0.590	ppbv	100
30) Cyclohexane	3.855	84	1722	0.091	ppbv #	38
31) cis-1,2-Dichloroethene	2.842	61	24989	1.092	ppbv #	23
34) 2-Butanone	2.564	43	31346	0.938	ppbv	96
35) Carbon Tetrachloride	3.761	117	1718	0.049	ppbv #	85
36) Benzene	3.651	78	11411	0.255	ppbv #	90
39) 1,2-Dichloropropane	3.959	63	119868	7.262	ppbv #	22
42) Bromodichloromethane	4.489	83	2796	0.080	ppbv #	86
43) Methyl Methacrylate	4.878	69	633	0.040	ppbv #	1
44) 2,2,4-Trimethylpentane	4.638	57	3961	0.054	ppbv #	1
53) Toluene	6.936	91	36533	0.761	ppbv	98
58) Ethyl Benzene	9.526	91	8865	0.137	ppbv	92
59) m/p-Xylene	9.555	91	2465	0.048	ppbv #	30
60) o-Xylene	9.526	91	8865	0.171	ppbv	85
61) Styrene	9.869	104	2231	0.102	ppbv #	13
64) n-propylbenzene	10.989	120	582	0.029	ppbv	89
66) Benzyl Chloride	11.545	91	11074	1.986	ppbv #	66
67) sec-Butylbenzene	11.850	105	38757	0.401	ppbv	97
69) p-Isopropyltoluene	11.924	119	47903	0.608	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
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Acq On : 04 Aug 2025 13:30
Operator : SY/MD
Sample : Q2750-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

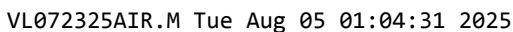
Instrument :
MSVOA_L
ClientSampleId :

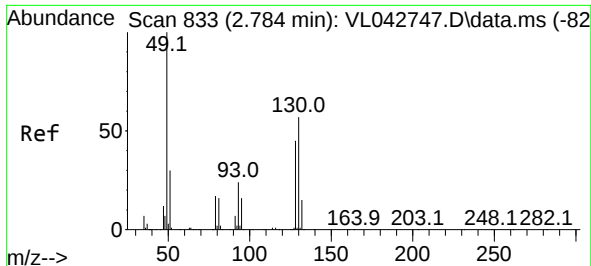
Quant Time: Aug 05 01:04:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) n-Butylbenzene	12.345	91	17047	0.224	ppbv #	87
71) 2-Chlorotoluene	10.856	91	73906	1.261	ppbv #	45
73) 1,3,5-Trimethylbenzene	11.199	105	1161	0.023	ppbv #	80
74) 1,2,4-Trimethylbenzene	11.536	105	7196	0.129	ppbv #	82
76) 1,4-Dichlorobenzene	11.672	146	2545	0.067	ppbv	91
77) 1,2-Dichlorobenzene	11.672	146	2545	0.066	ppbv	93
79) Naphthalene	13.513	128	1603	0.461	ppbv #	80
80) Naphthalene,2-methyl-	14.465	142	404	1.140	ppbv #	62
81) 1,2,4-Trichlorobenzene	13.439	180	115	0.438	ppbv #	28

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

Quant Time: Aug 05 01:04:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

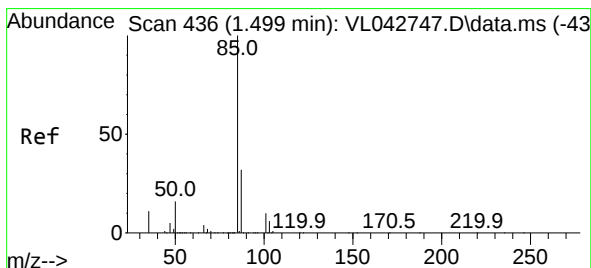
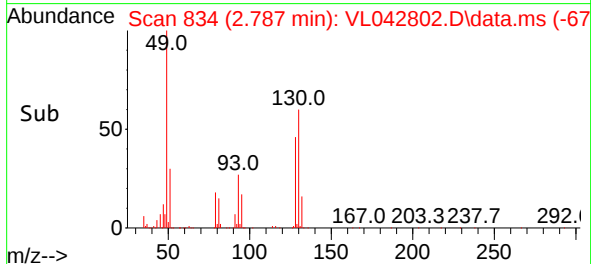
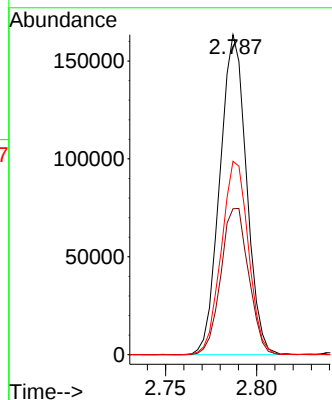
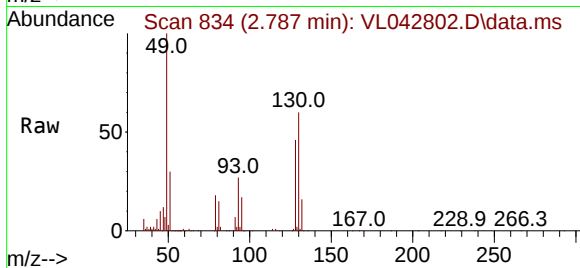




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

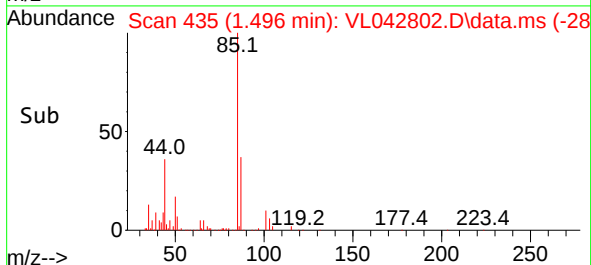
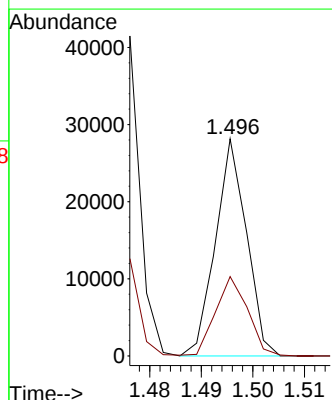
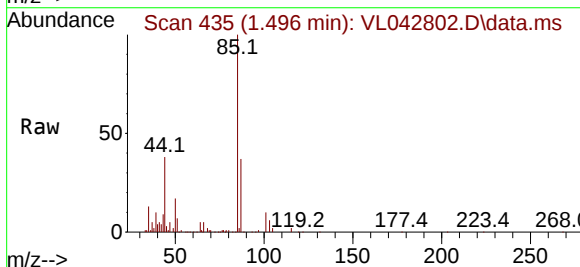
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 166020
Ion Ratio Lower Upper
49 100
128 47.8 23.6 71.0
130 61.6 30.3 90.8



#2
Dichlorodifluoromethane
Concen: 0.537 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

Tgt Ion: 85 Resp: 11798
Ion Ratio Lower Upper
85 100
87 36.2 25.4 38.2

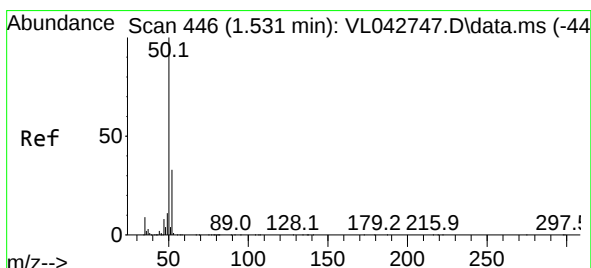
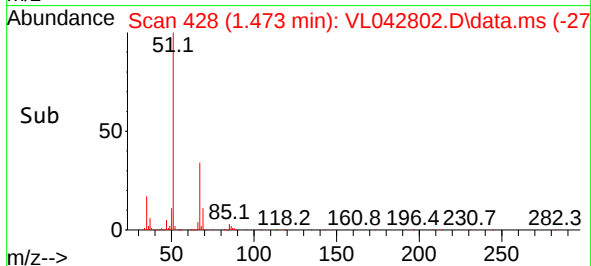
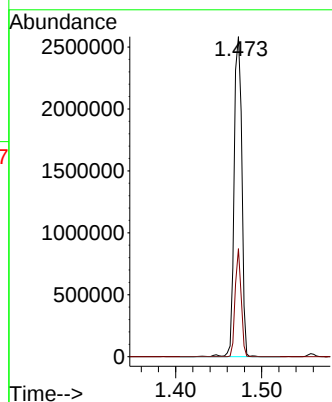
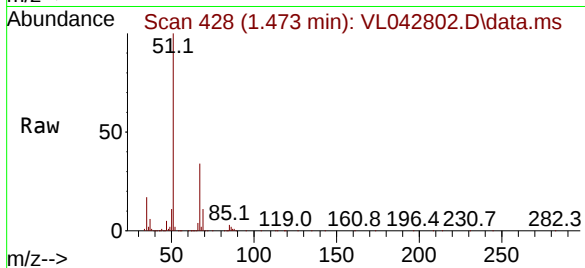




#3
Chlorodifluoromethane
Concen: 55.804 ppbv
RT: 1.473 min Scan# 429
Delta R.T. -0.003 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

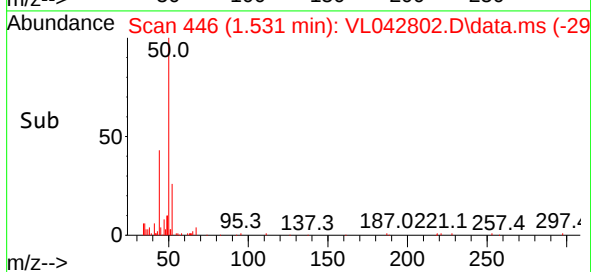
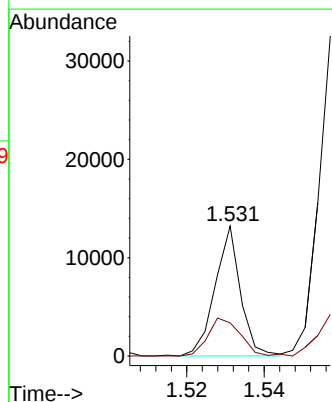
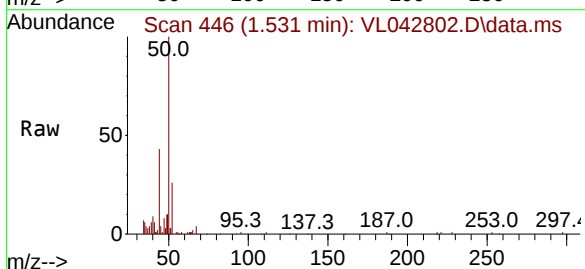
Instrument :
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ClientSampleId :

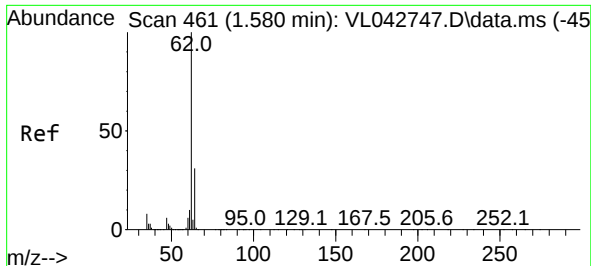
Tgt Ion: 51 Resp: 1595678
Ion Ratio Lower Upper
51 100
67 26.3 15.0 22.6#



#4
Chloromethane
Concen: 0.680 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

Tgt Ion: 50 Resp: 6035
Ion Ratio Lower Upper
50 100
52 25.5 26.6 40.0#

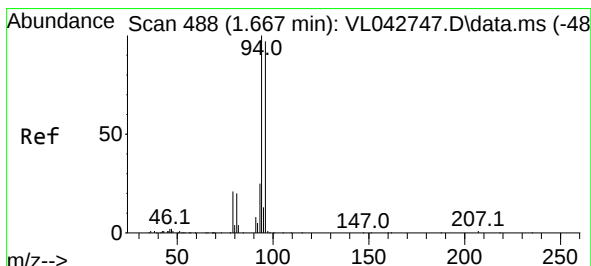
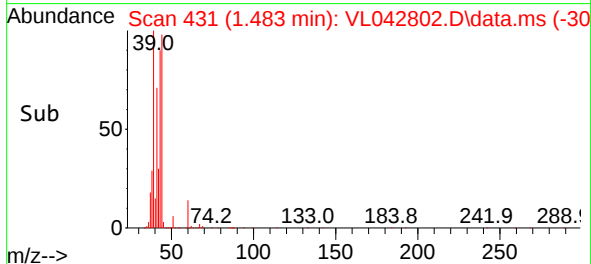
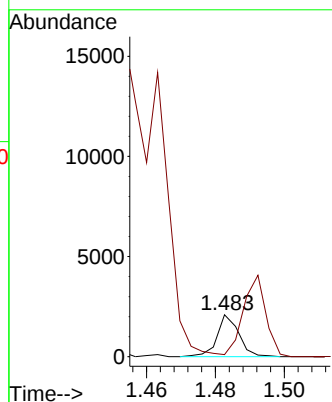
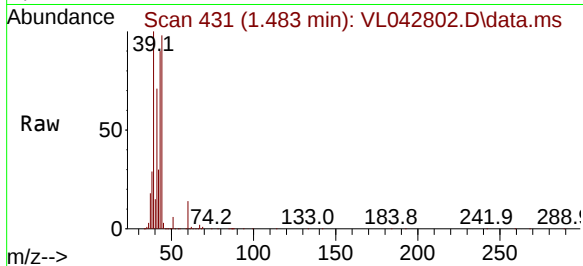




#5
 Vinyl Chloride
 Concen: 0.105 ppbv
 RT: 1.483 min Scan# 41
 Delta R.T. -0.097 min
 Lab File: VL042802.D
 Acq: 04 Aug 2025 13:30

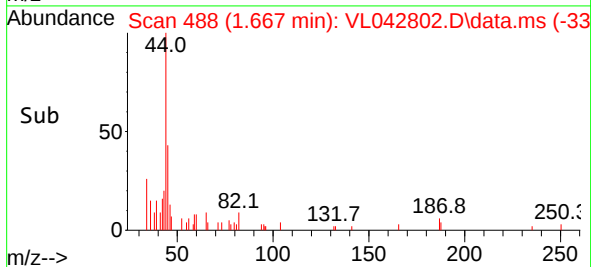
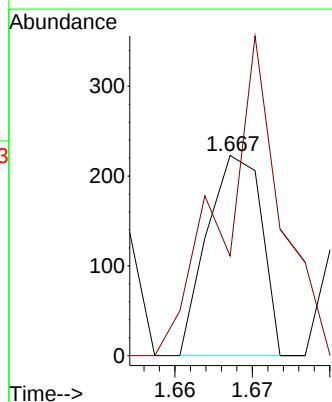
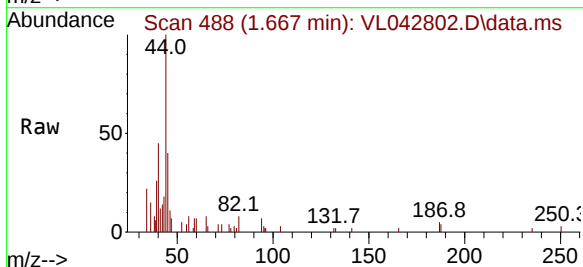
Instrument :
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 ClientSampleId :

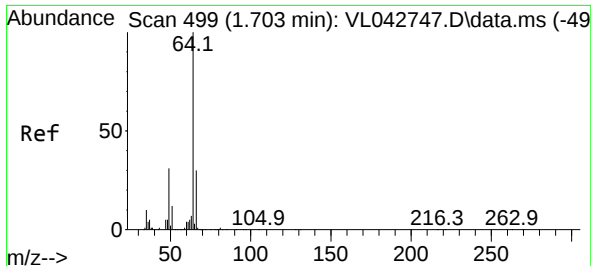
Tgt Ion: 62 Resp: 925
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.5 36.7#



#6
 Bromomethane
 Concen: 0.032 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042802.D
 Acq: 04 Aug 2025 13:30

Tgt Ion: 94 Resp: 109
 Ion Ratio Lower Upper
 94 100
 96 27.4 77.6 116.4#

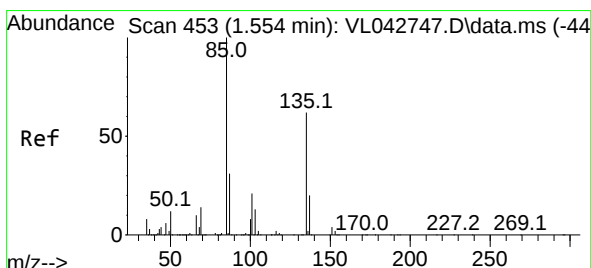
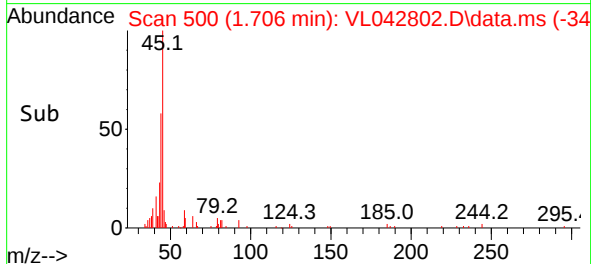
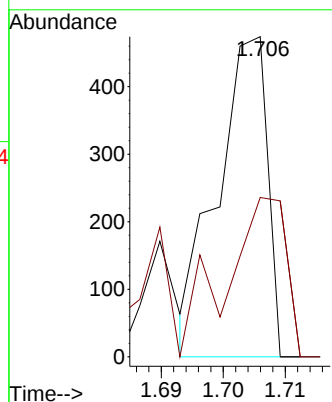
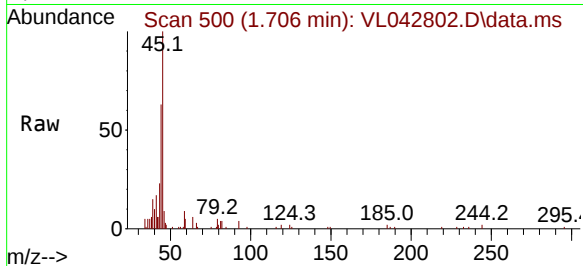




#7
Chloroethane
Concen: 0.078 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

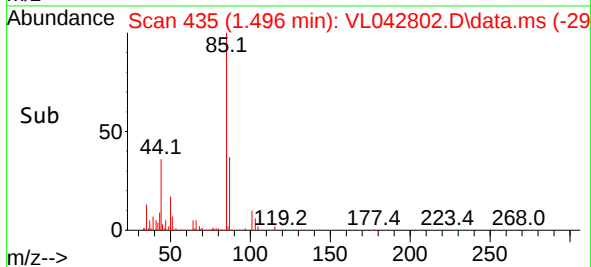
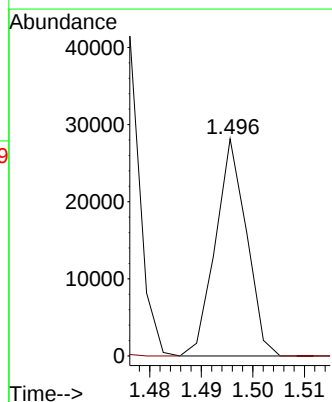
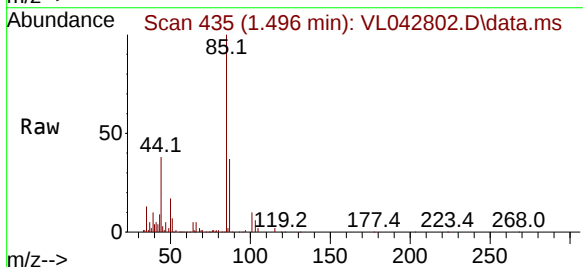
Instrument :
MSVOA_L
ClientSampleId :

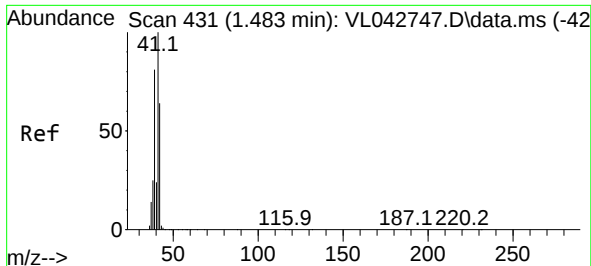
Tgt Ion: 64 Resp: 266
Ion Ratio Lower Upper
64 100
66 49.8 24.1 36.1#



#8
Dichlorotetrafluoroethane
Concen: 0.654 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.058 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

Tgt Ion: 85 Resp: 11798
Ion Ratio Lower Upper
85 100
135 2.3 50.6 76.0#





#9

Propene

Concen: 65.236 ppbv

RT: 1.557 min Scan# 41

Delta R.T. 0.074 min

Lab File: VL042802.D

Acq: 04 Aug 2025 13:30

Instrument :

MSVOA_L

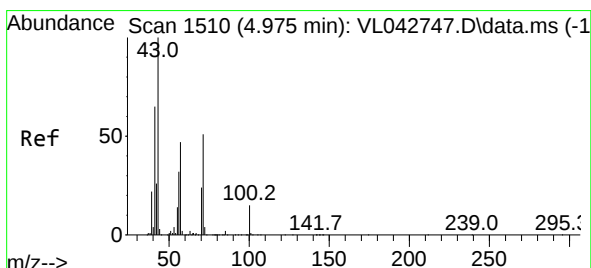
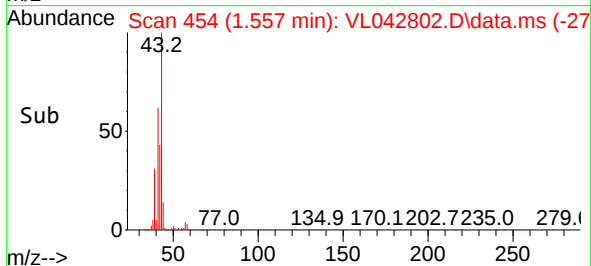
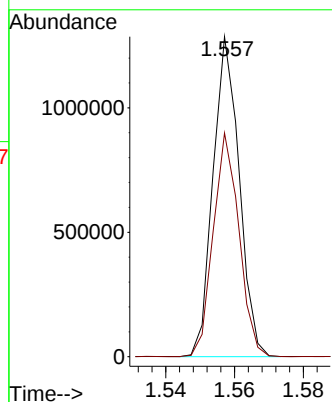
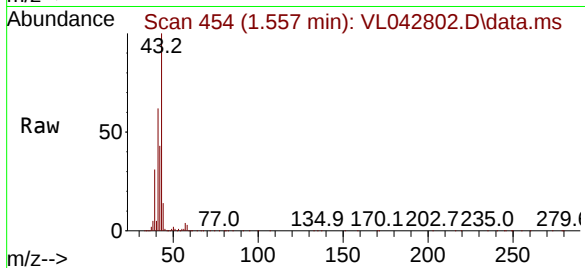
ClientSampleId :

Tgt Ion: 41 Resp: 677955

Ion Ratio Lower Upper

41 100

42 68.9 53.2 79.8



#10

Heptane

Concen: 0.055 ppbv

RT: 4.978 min Scan# 1511

Delta R.T. 0.003 min

Lab File: VL042802.D

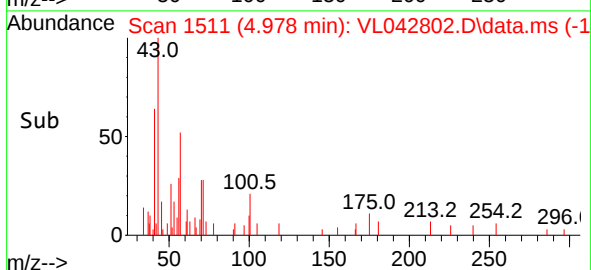
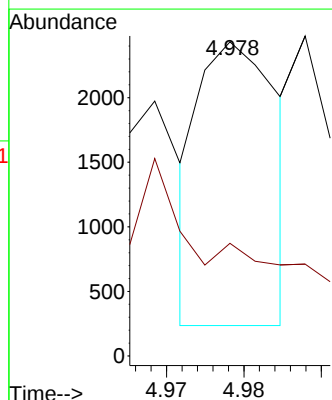
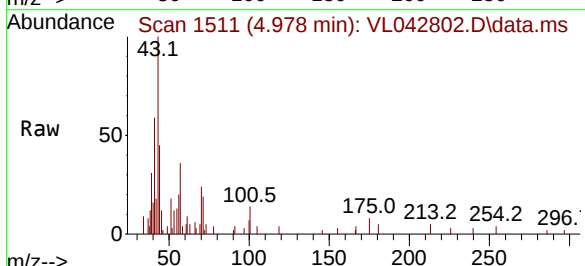
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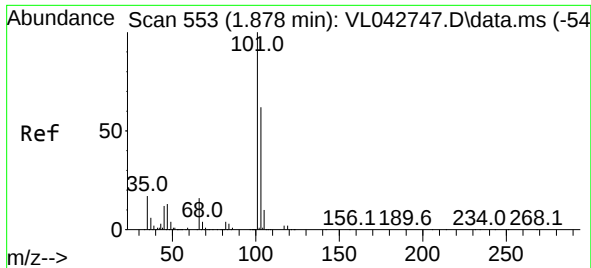
Tgt Ion: 43 Resp: 1547

Ion Ratio Lower Upper

43 100

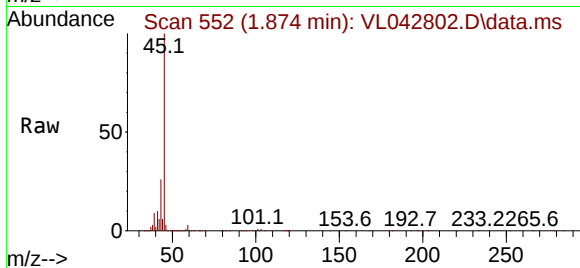
57 0.0 39.9 59.9#



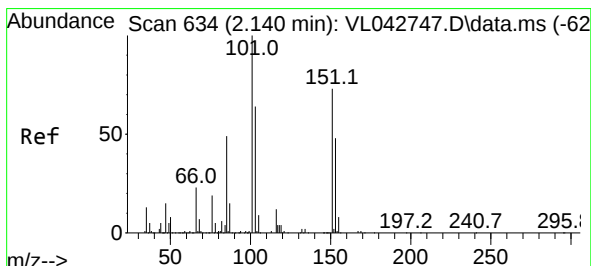
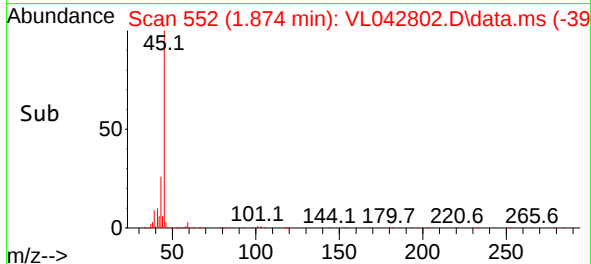
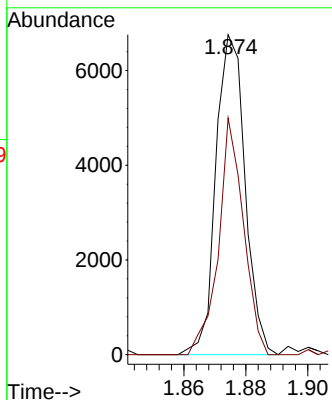


#11
 Trichlorofluoromethane
 Concen: 0.195 ppbv
 RT: 1.874 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL042802.D
 Acq: 04 Aug 2025 13:30

Instrument :
 MSVOA_L
 ClientSampleId :

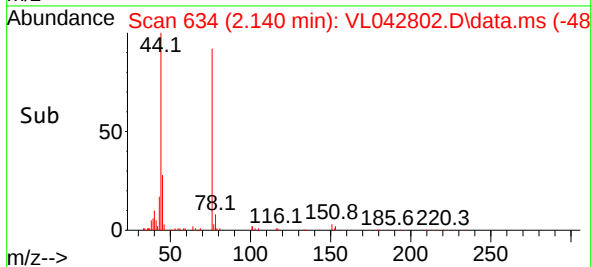
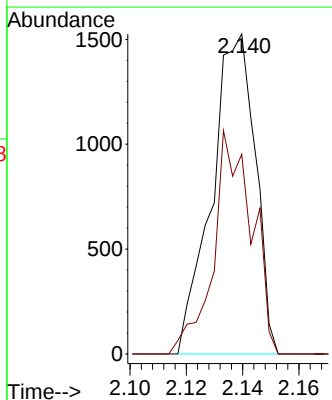
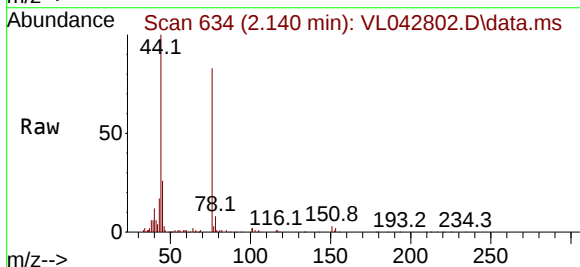


Tgt Ion:101 Resp: 4420
 Ion Ratio Lower Upper
 101 100
 103 73.9 49.6 74.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.095 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. -0.000 min
 Lab File: VL042802.D
 Acq: 04 Aug 2025 13:30

Tgt Ion:101 Resp: 1639
 Ion Ratio Lower Upper
 101 100
 151 61.6 60.5 90.7

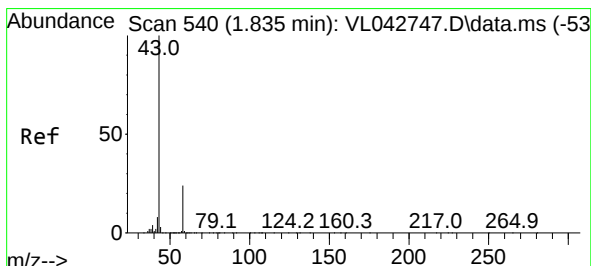
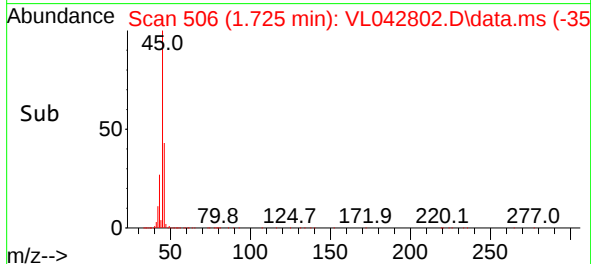
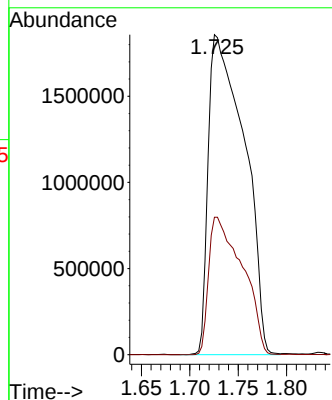
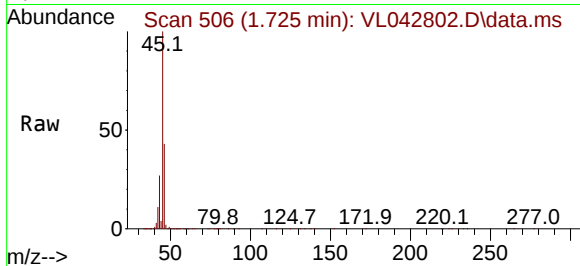




#13
Ethanol
Concen: 6339.911 ppbv
RT: 1.725 min Scan# 504
Delta R.T. 0.006 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

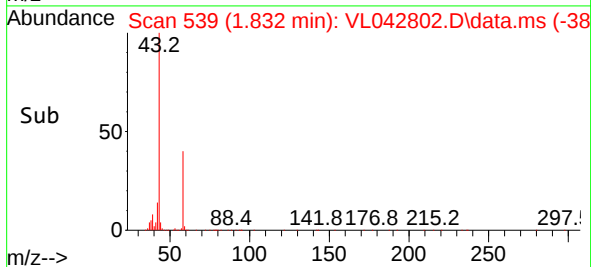
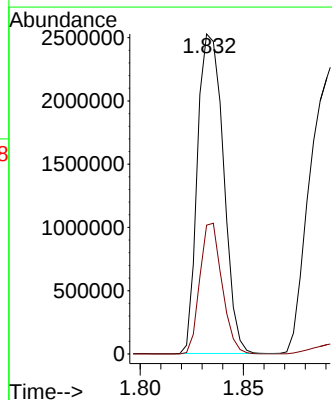
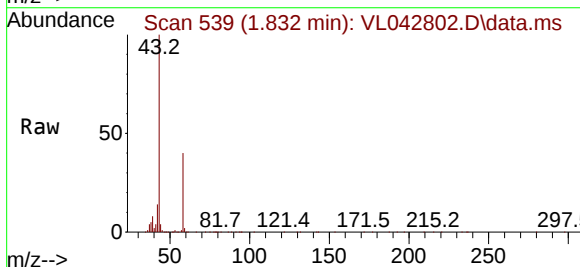
Instrument :
MSVOA_L
ClientSampleId :

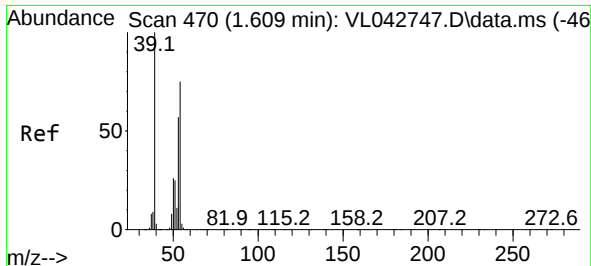
Tgt Ion: 45 Resp: 4798288
Ion Ratio Lower Upper
45 100
46 40.5 17.8 71.4



#15
Acetone
Concen: 96.111 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.003 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

Tgt Ion: 43 Resp: 2203330
Ion Ratio Lower Upper
43 100
58 35.0 19.8 29.8#

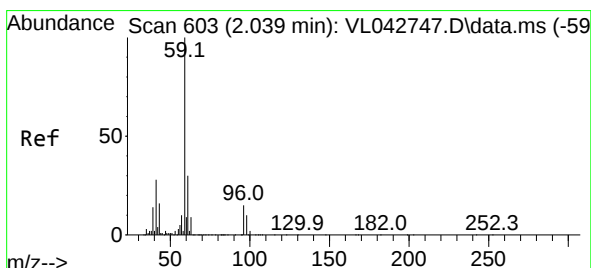
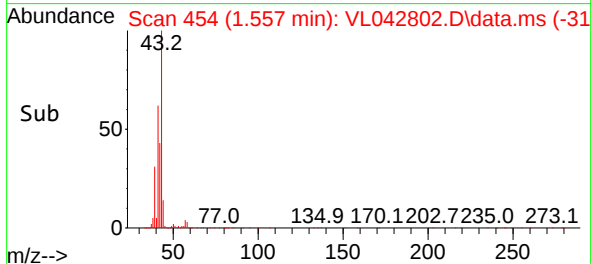
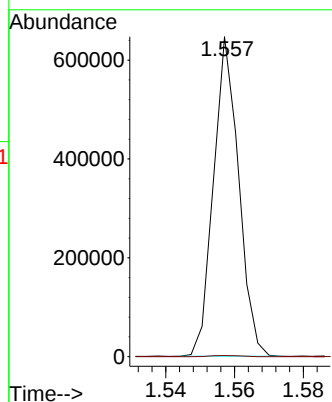
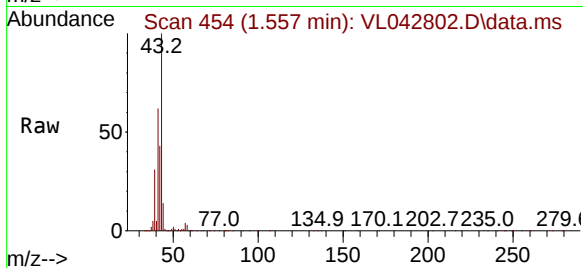




#16
1,3-Butadiene
Concen: 33.573 ppbv
RT: 1.557 min Scan# 41
Delta R.T. -0.052 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

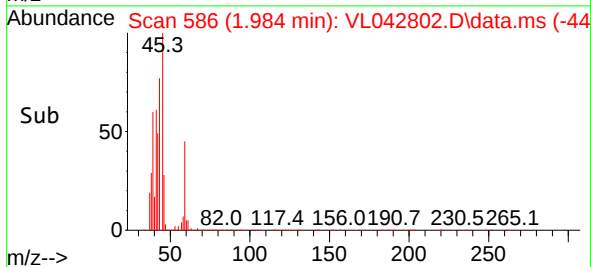
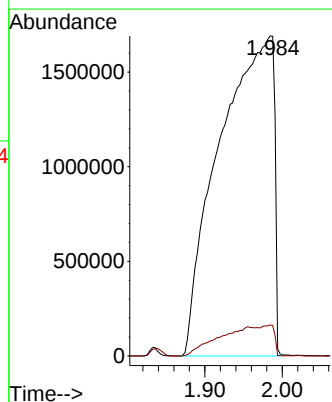
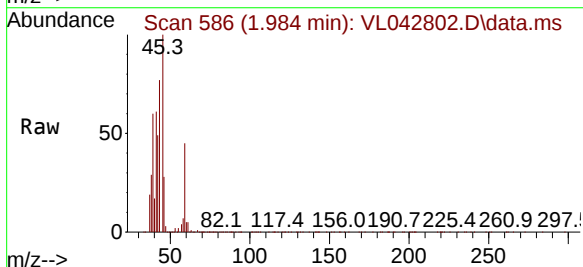
Instrument :
MSVOA_L
ClientSampleId :

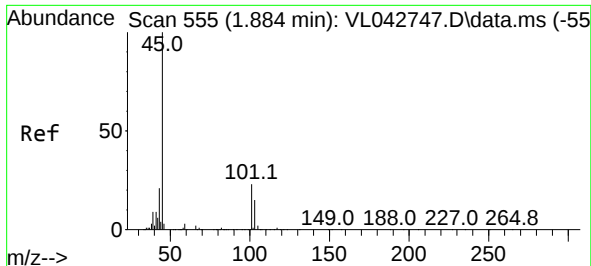
Tgt Ion: 39 Resp: 328288
Ion Ratio Lower Upper
39 100
54 0.5 54.5 81.7#



#17
tert-Butyl alcohol
Concen: 399.616 ppbv
RT: 1.984 min Scan# 586
Delta R.T. -0.055 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

Tgt Ion: 59 Resp: 8262366
Ion Ratio Lower Upper
59 100
57 9.2 8.3 12.5

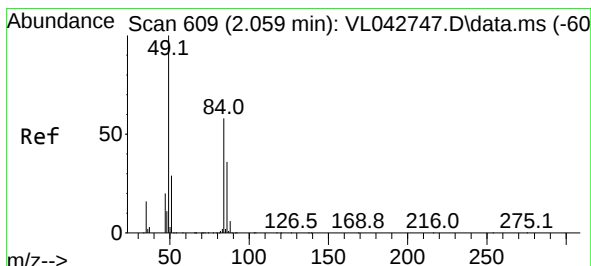
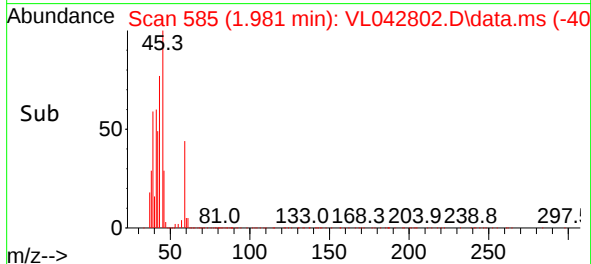
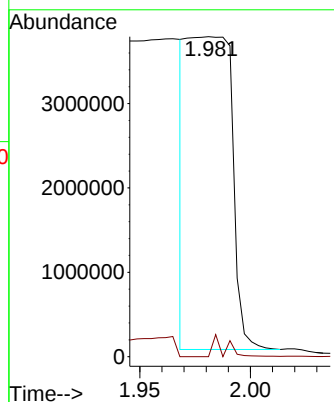
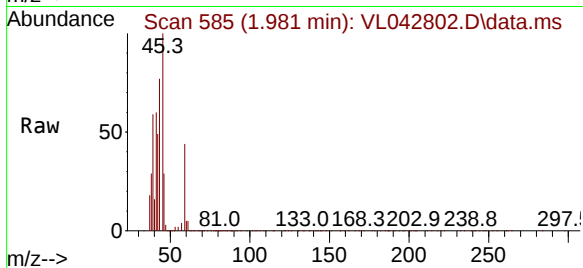




#19
Isopropyl Alcohol
Concen: 430.481 ppbv
RT: 1.981 min Scan# 51
Delta R.T. 0.097 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

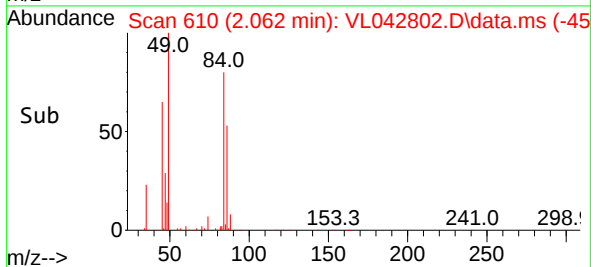
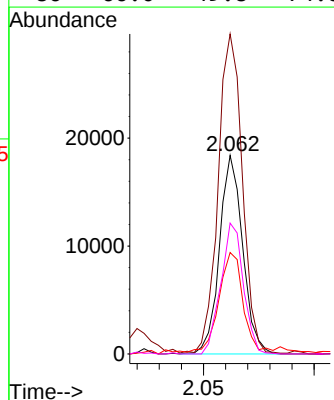
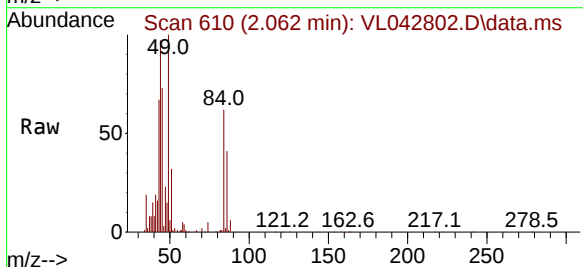
Instrument :
MSVOA_L
ClientSampleId :

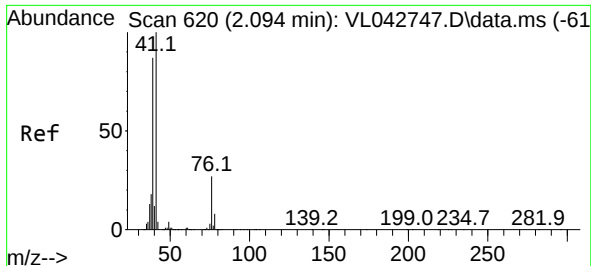
Tgt Ion: 45 Resp: 5244330
Ion Ratio Lower Upper
45 100
58 1.2 30.0 45.0#



#20
Methylene Chloride
Concen: 1.861 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

Tgt Ion: 84 Resp: 13447
Ion Ratio Lower Upper
84 100
49 160.8 138.6 208.0
51 51.7 40.6 61.0
86 66.0 49.8 74.8

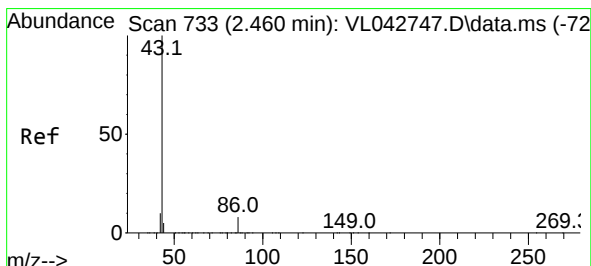
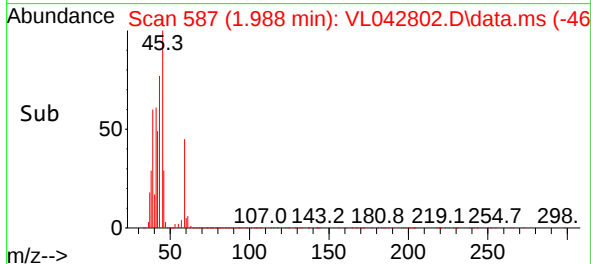
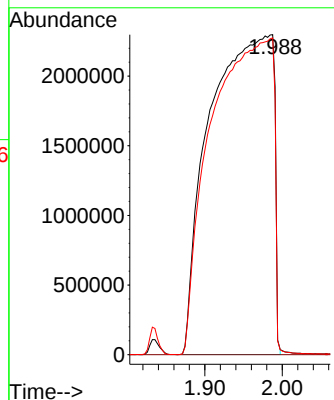
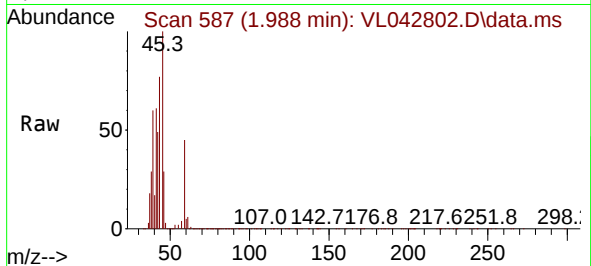




#21
 Allyl Chloride
 Concen: 922.751 ppbv
 RT: 1.988 min Scan# 51
 Delta R.T. -0.107 min
 Lab File: VL042802.D
 Acq: 04 Aug 2025 13:30

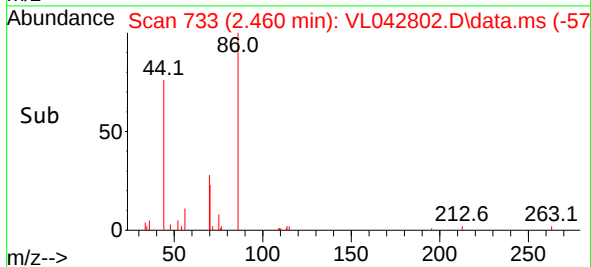
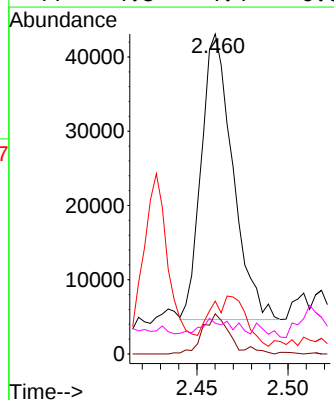
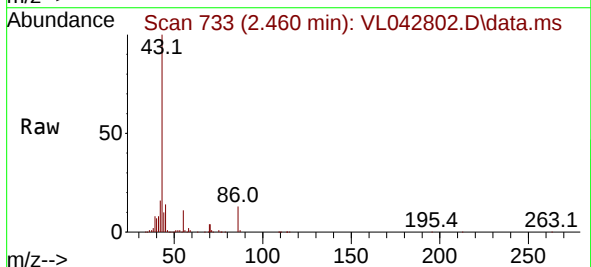
Instrument :
 MSVOA_L
 ClientSampleId :

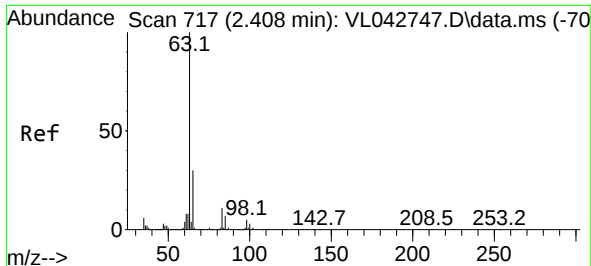
Tgt Ion: 41 Resp:13037433
 Ion Ratio Lower Upper
 41 100
 76 0.5 21.1 31.7#
 39 97.0 68.3 102.5



#23
 Vinyl Acetate
 Concen: 1.664 ppbv
 RT: 2.460 min Scan# 733
 Delta R.T. -0.000 min
 Lab File: VL042802.D
 Acq: 04 Aug 2025 13:30

Tgt Ion: 43 Resp: 46259
 Ion Ratio Lower Upper
 43 100
 86 13.8 6.1 9.1#
 42 14.1 7.8 11.8#
 44 4.8 4.4 6.6

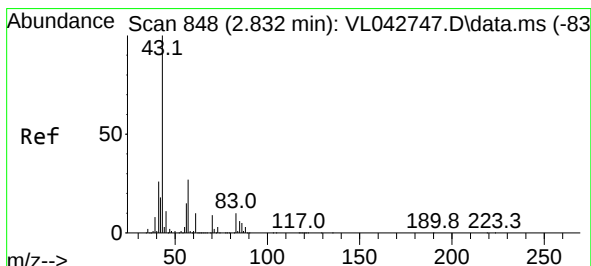
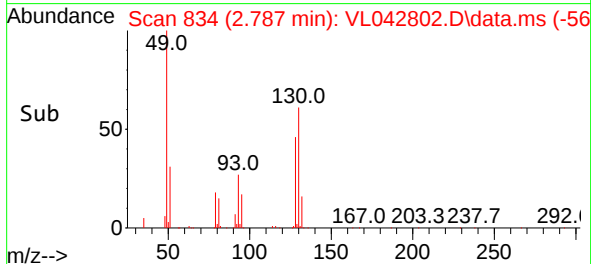
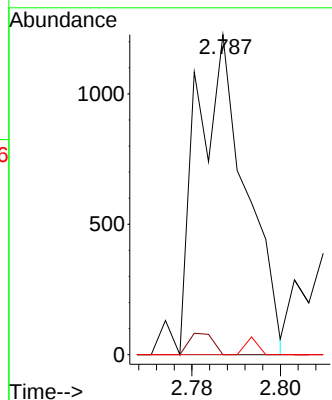
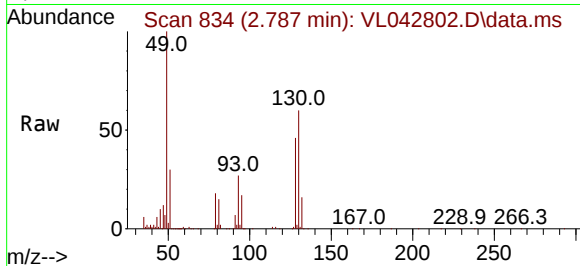




#24
1,1-Dichloroethane
Concen: 0.055 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.379 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

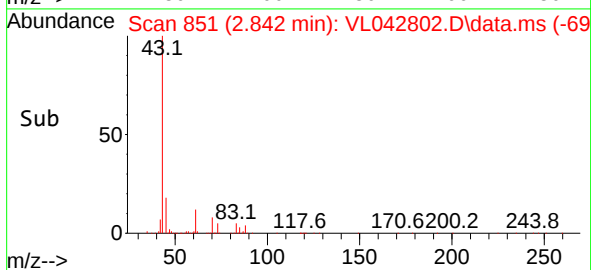
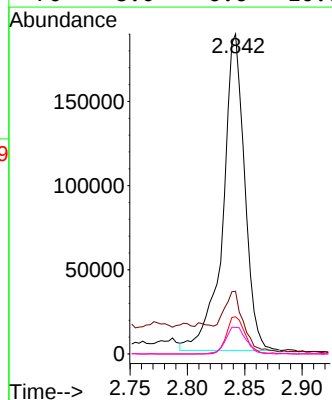
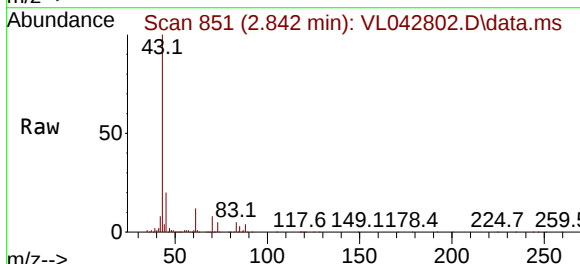
Instrument :
MSVOA_L
ClientSampleId :

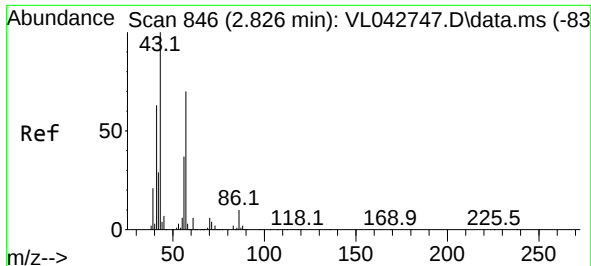
Tgt Ion: 63 Resp: 939
Ion Ratio Lower Upper
63 100
98 0.0 2.5 7.4#
100 0.0 1.6 4.8#



#25
Ethyl Acetate
Concen: 4.876 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.010 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

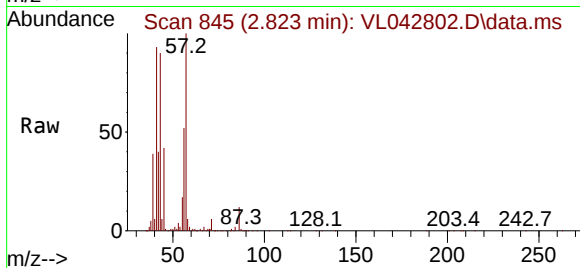
Tgt Ion: 43 Resp: 247439
Ion Ratio Lower Upper
43 100
45 33.5 7.8 11.6#
61 10.2 6.7 10.1#
70 8.0 6.6 10.0



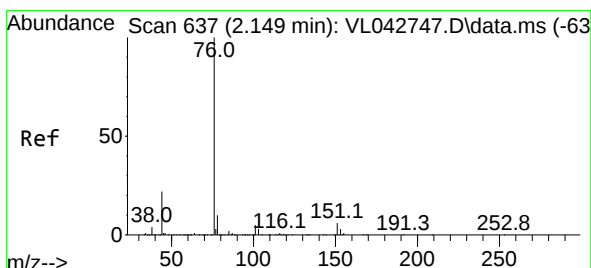
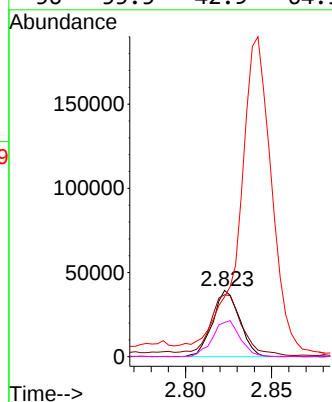
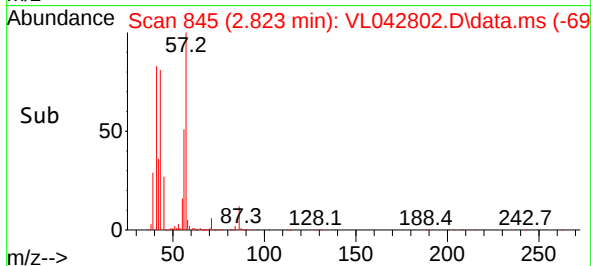


#26
Hexane
Concen: 1.924 ppbv
RT: 2.823 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

Instrument :
MSVOA_L
ClientSampleId :

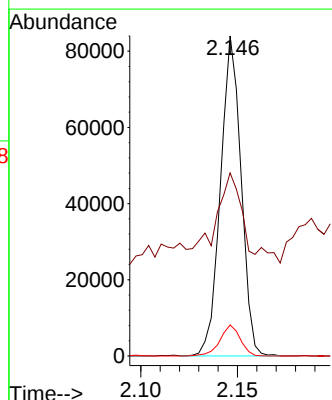
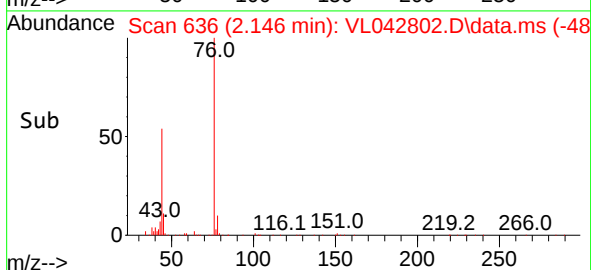
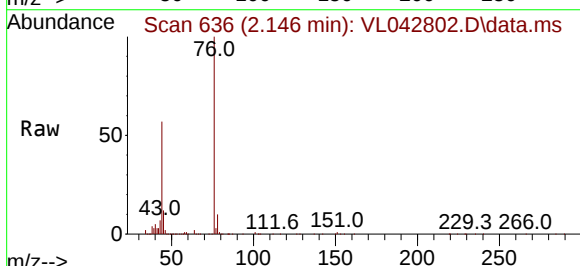


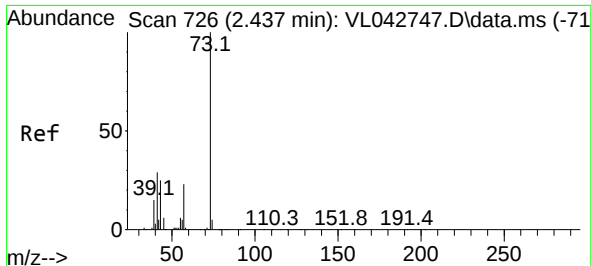
Tgt Ion: 57 Resp: 42838
Ion Ratio Lower Upper
57 100
41 117.1 75.4 113.2#
43 637.0 185.0 277.6#
56 55.5 42.9 64.3



#27
Carbon Disulfide
Concen: 3.257 ppbv
RT: 2.146 min Scan# 636
Delta R.T. -0.003 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

Tgt Ion: 76 Resp: 62067
Ion Ratio Lower Upper
76 100
44 0.0 19.3 28.9#
78 9.5 9.9 14.9#

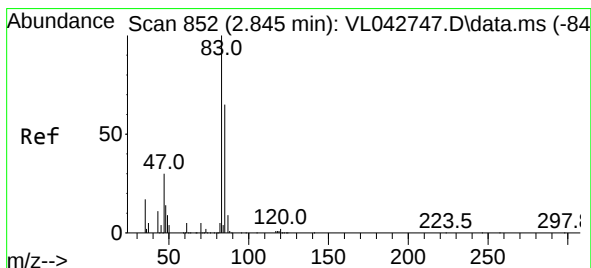
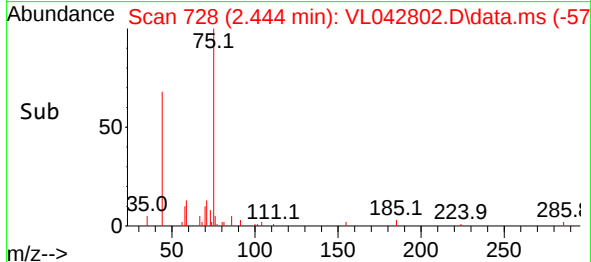
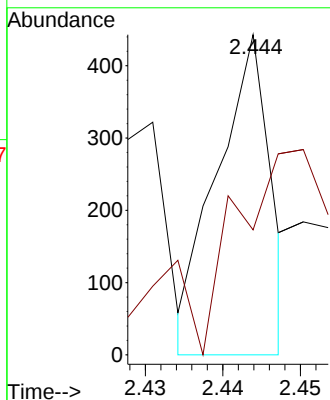
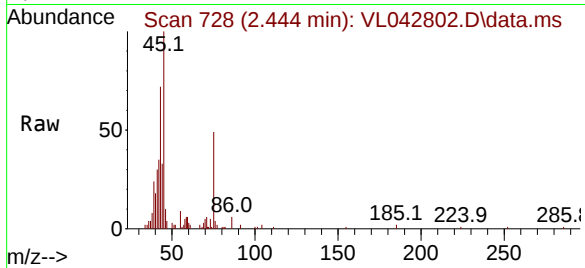




#28
Methyl tert-Butyl Ether
Concen: 0.020 ppbv
RT: 2.444 min Scan# 71
Delta R.T. 0.006 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

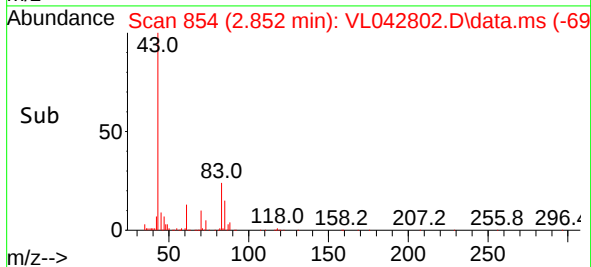
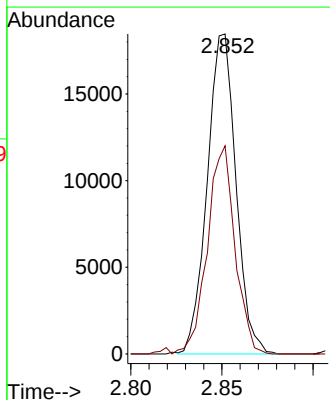
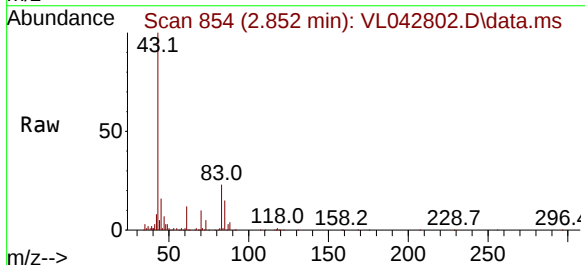
Instrument :
MSVOA_L
ClientSampleId :

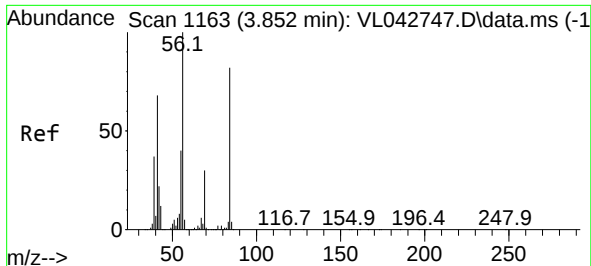
Tgt Ion: 73 Resp: 215
Ion Ratio Lower Upper
73 100
57 0.0 19.8 29.8#



#29
Chloroform
Concen: 0.590 ppbv
RT: 2.852 min Scan# 854
Delta R.T. 0.006 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

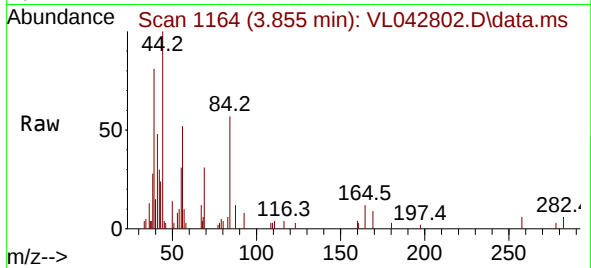
Tgt Ion: 83 Resp: 20293
Ion Ratio Lower Upper
83 100
85 65.0 52.2 78.2



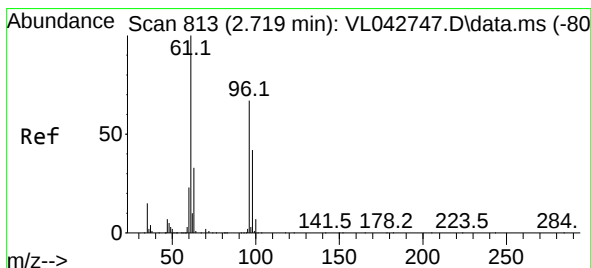
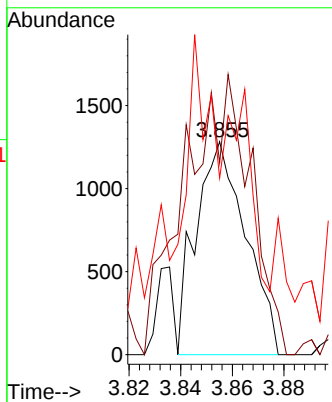
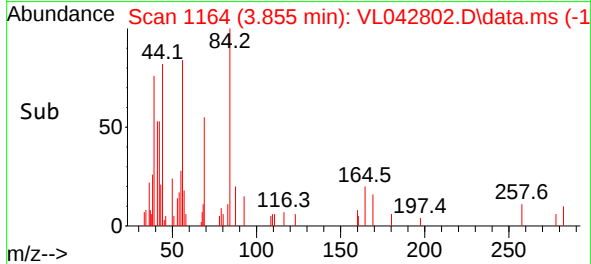


#30
Cyclohexane
Concen: 0.091 ppbv
RT: 3.855 min Scan# 1163
Delta R.T. 0.003 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

Instrument :
MSVOA_L
ClientSampleId :

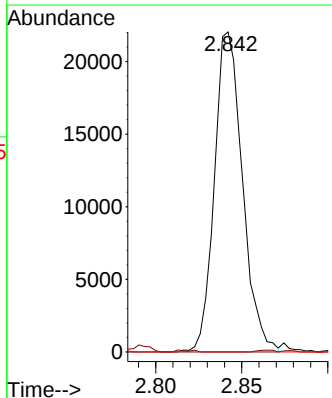
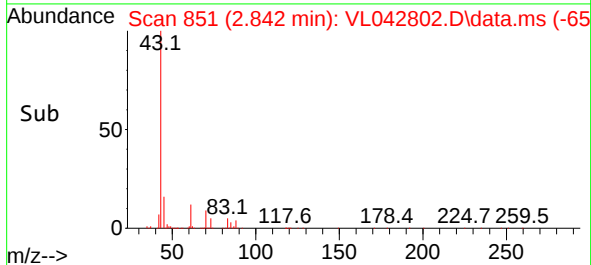
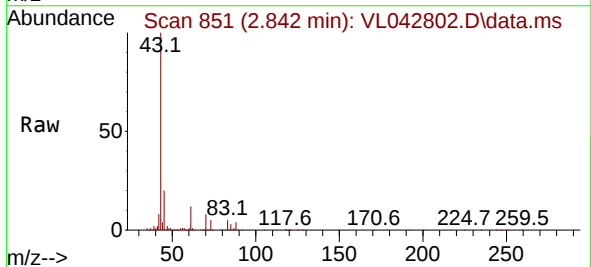


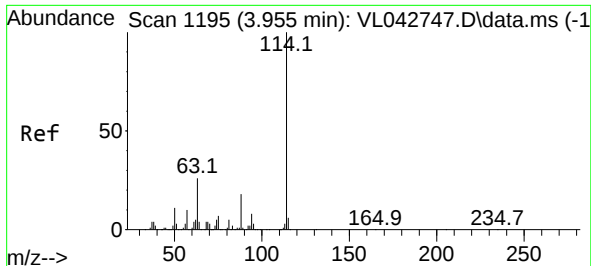
Tgt Ion: 84 Resp: 1722
Ion Ratio Lower Upper
84 100
56 172.5 97.5 146.3#
41 162.0 67.2 100.8#



#31
cis-1,2-Dichloroethene
Concen: 1.092 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.123 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

Tgt Ion: 61 Resp: 24989
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: 3.955 min Scan# 1195

Delta R.T. -0.000 min

Lab File: VL042802.D

Acq: 04 Aug 2025 13:30

Instrument :

MSVOA_L

ClientSampleId :

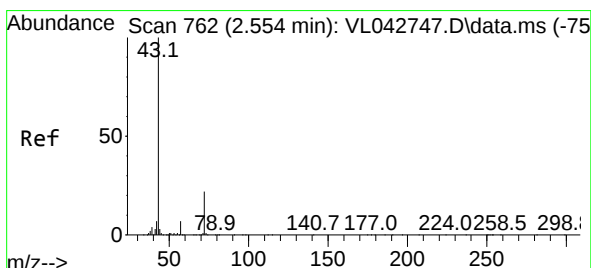
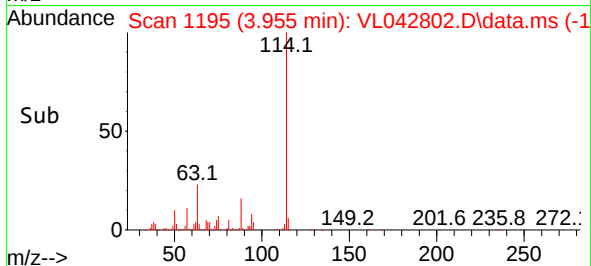
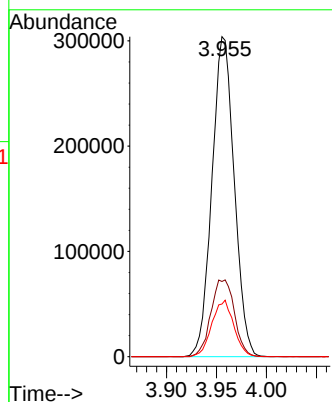
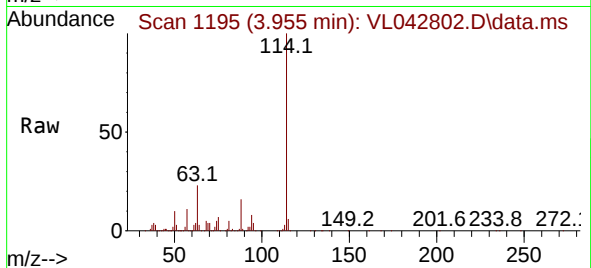
Tgt Ion:114 Resp: 471810

Ion Ratio Lower Upper

114 100

63 25.4 20.5 30.7

88 17.4 14.0 21.0



#34

2-Butanone

Concen: 0.938 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.010 min

Lab File: VL042802.D

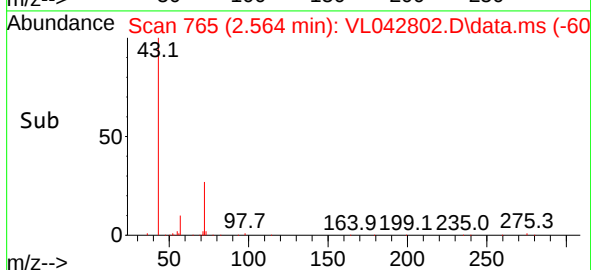
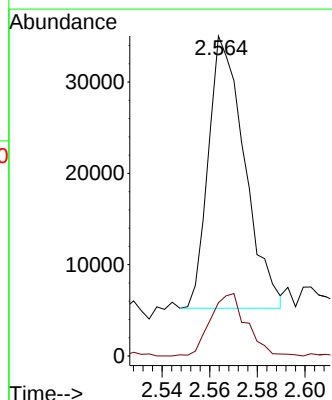
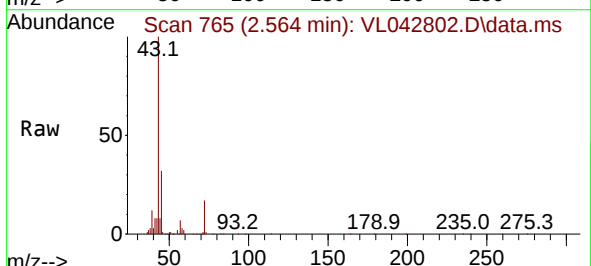
Acq: 04 Aug 2025 13:30

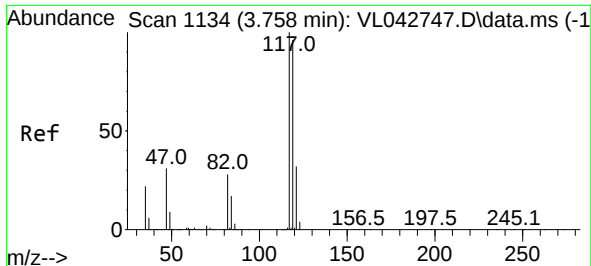
Tgt Ion: 43 Resp: 31346

Ion Ratio Lower Upper

43 100

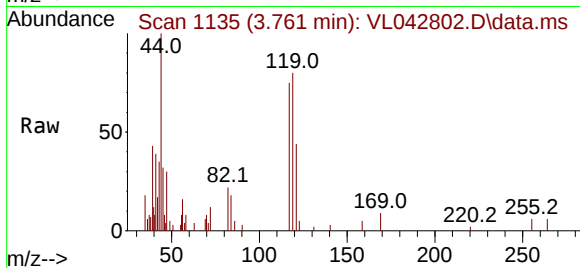
72 23.5 17.4 26.0



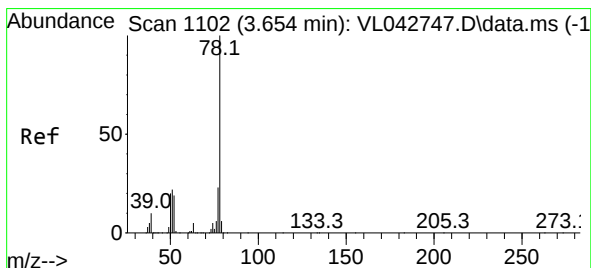
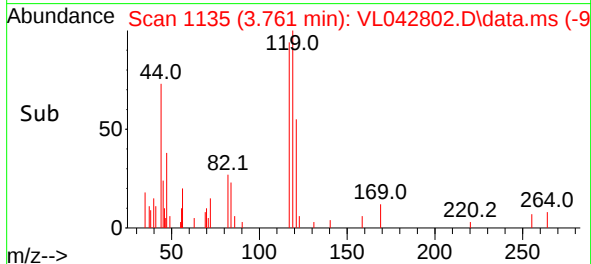
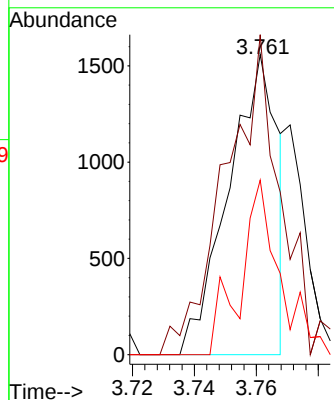


#35
Carbon Tetrachloride
Concen: 0.049 ppbv
RT: 3.761 min Scan# 1135
Delta R.T. 0.003 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

Instrument :
MSVOA_L
ClientSampleId :

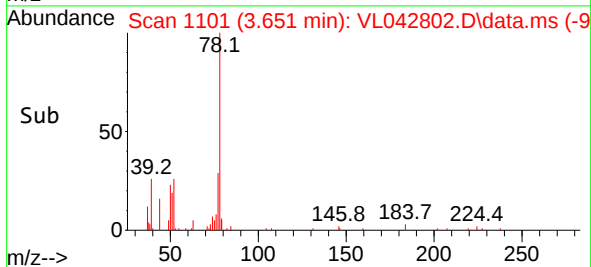
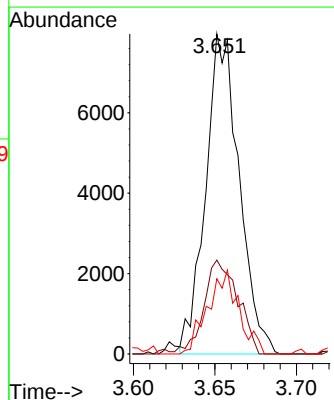
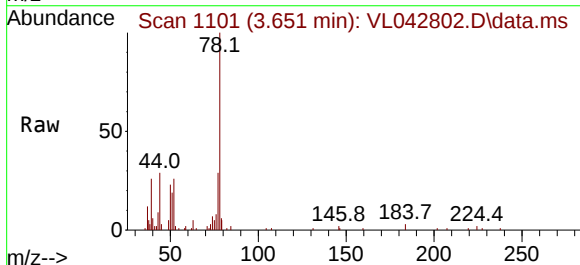


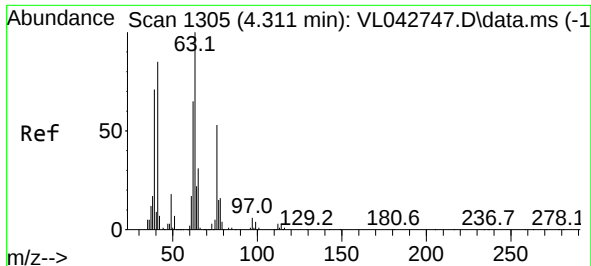
Tgt Ion:117 Resp: 1718
Ion Ratio Lower Upper
117 100
119 100.3 77.1 115.7
121 58.2 25.5 38.3#



#36
Benzene
Concen: 0.255 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

Tgt Ion: 78 Resp: 11411
Ion Ratio Lower Upper
78 100
77 29.3 18.5 27.7#
50 23.5 16.2 24.2





#39

1,2-Dichloropropane

Concen: 7.262 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.353 min

Lab File: VL042802.D

Acq: 04 Aug 2025 13:30

Instrument :

MSVOA_L

ClientSampleId :

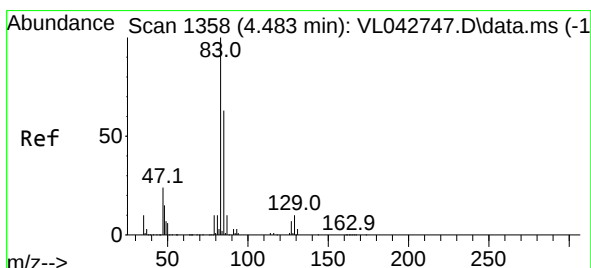
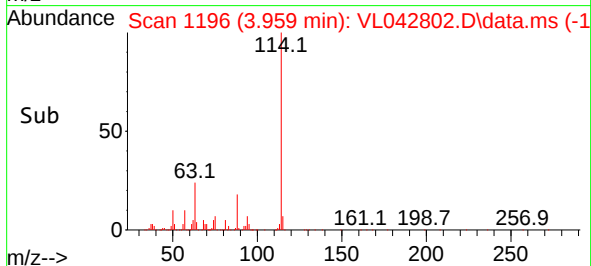
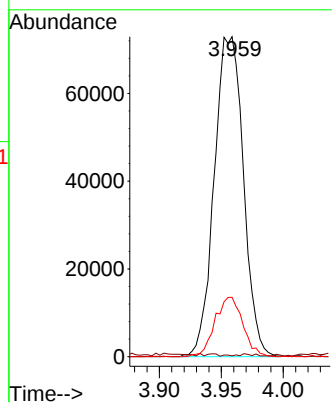
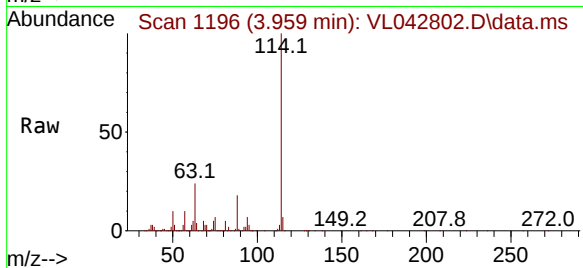
Tgt Ion: 63 Resp: 119868

Ion Ratio Lower Upper

63 100

41 0.0 68.2 102.4#

62 18.5 52.0 78.0#



#42

Bromodichloromethane

Concen: 0.080 ppbv

RT: 4.489 min Scan# 1360

Delta R.T. 0.006 min

Lab File: VL042802.D

Acq: 04 Aug 2025 13:30

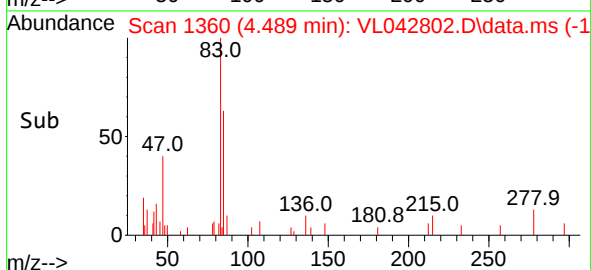
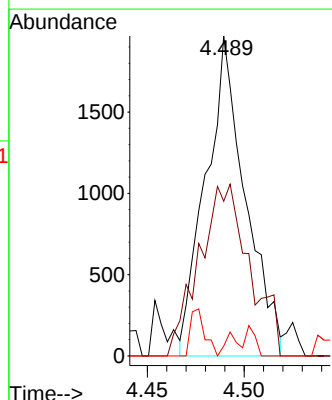
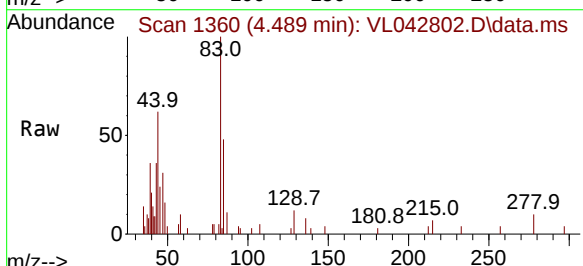
Tgt Ion: 83 Resp: 2796

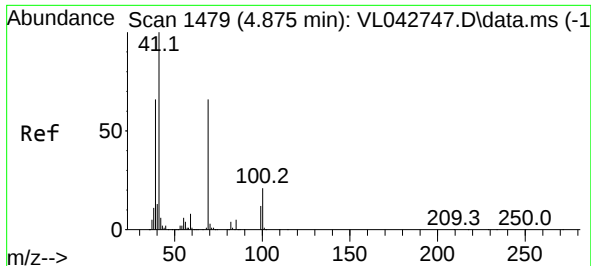
Ion Ratio Lower Upper

83 100

85 51.4 50.2 75.4

127 3.3 5.4 8.2#

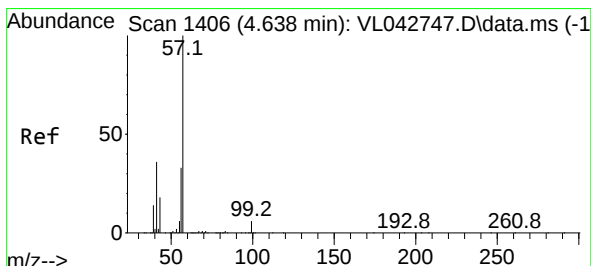
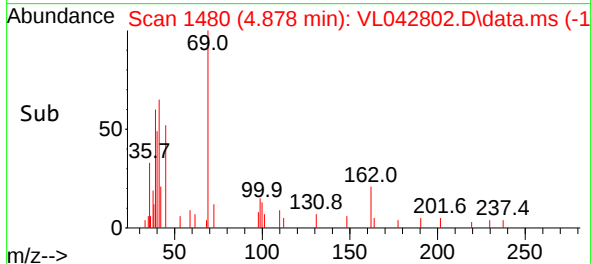
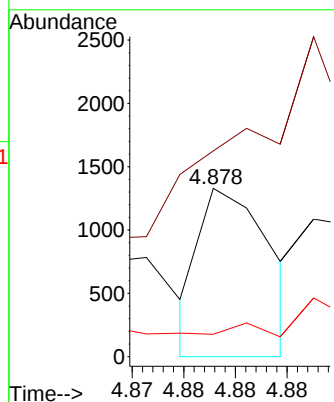
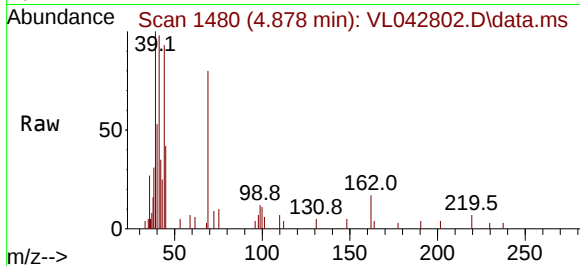




#43
Methyl Methacrylate
Concen: 0.040 ppbv
RT: 4.878 min Scan# 1479
Delta R.T. 0.003 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

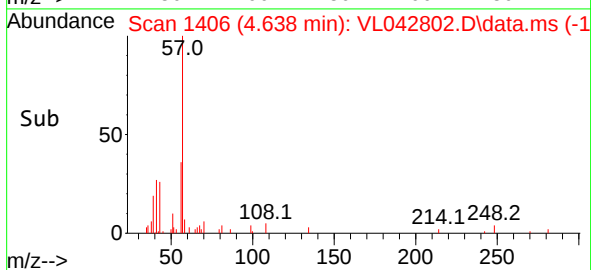
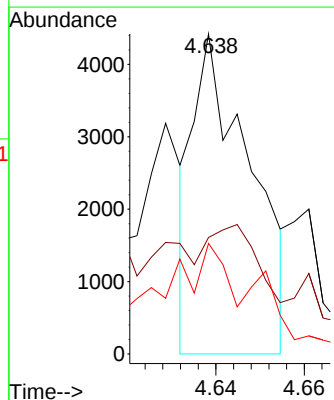
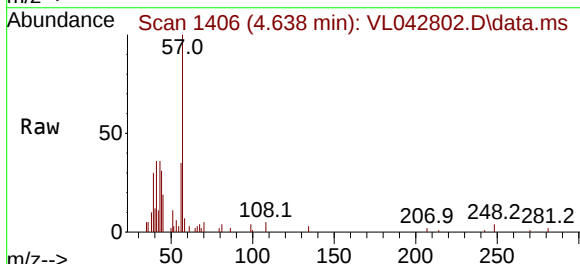
Instrument :
MSVOA_L
ClientSampleId :

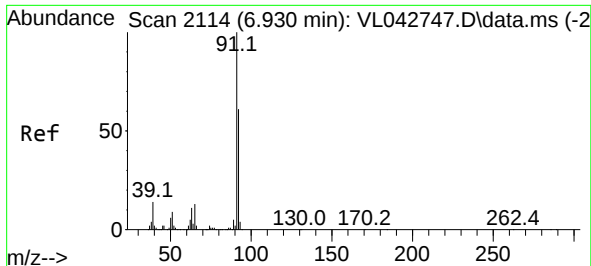
Tgt Ion: 69 Resp: 633
Ion Ratio Lower Upper
69 100
41 0.0 125.7 188.5#
100 0.0 28.6 42.8#



#44
2,2,4-Trimethylpentane
Concen: 0.054 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. -0.000 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

Tgt Ion: 57 Resp: 3961
Ion Ratio Lower Upper
57 100
41 105.9 28.3 42.5#
56 90.6 25.8 38.6#

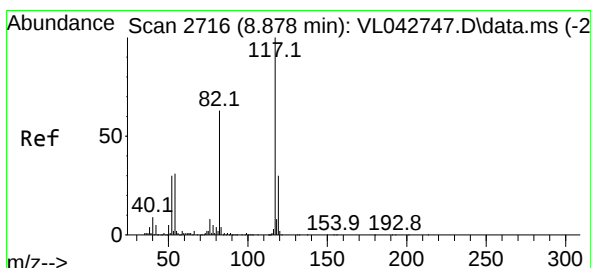
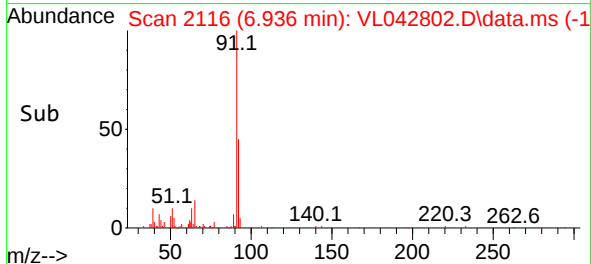
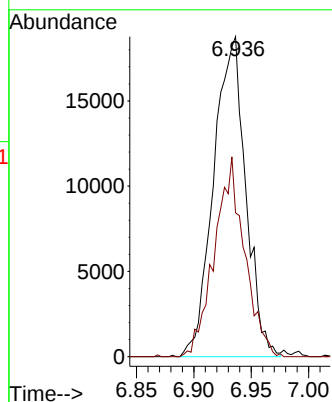
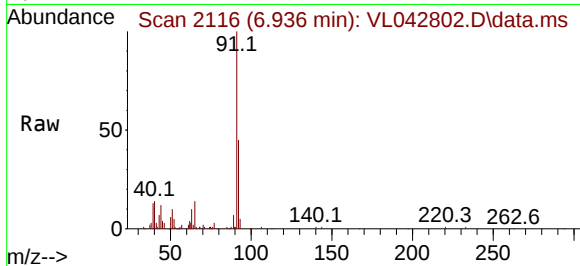




#53
Toluene
Concen: 0.761 ppbv
RT: 6.936 min Scan# 2114
Delta R.T. 0.006 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

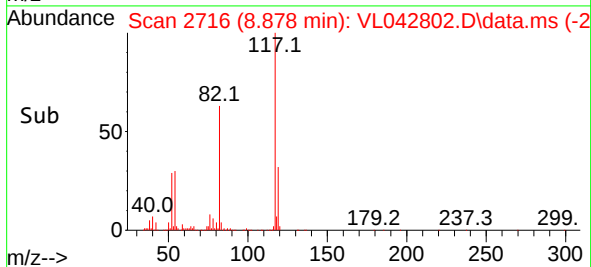
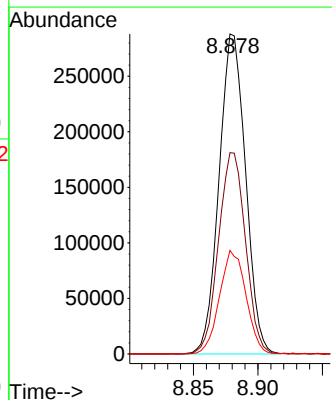
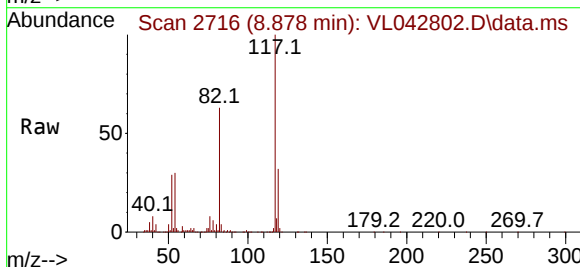
Instrument :
MSVOA_L
ClientSampleId :

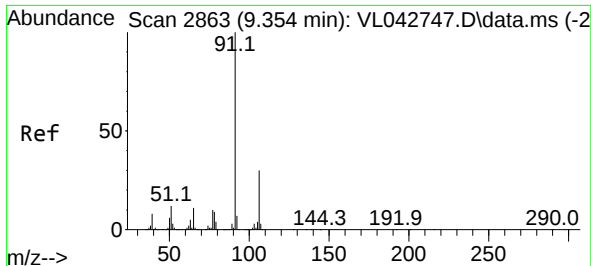
Tgt Ion: 91 Resp: 36533
Ion Ratio Lower Upper
91 100
92 58.3 48.0 72.0



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. -0.000 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

Tgt Ion: 117 Resp: 410967
Ion Ratio Lower Upper
117 100
82 64.0 53.3 79.9
119 32.4 25.8 38.6





#58

Ethyl Benzene

Concen: 0.137 ppbv

RT: 9.526 min Scan# 2916

Delta R.T. 0.171 min

Lab File: VL042802.D

Acq: 04 Aug 2025 13:30

Instrument :

MSVOA_L

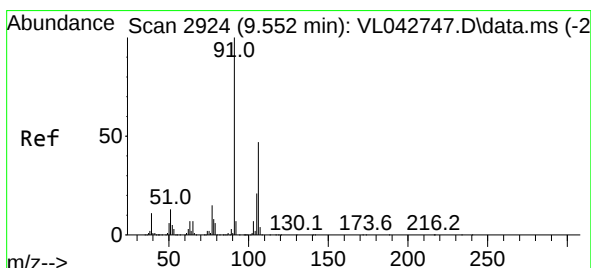
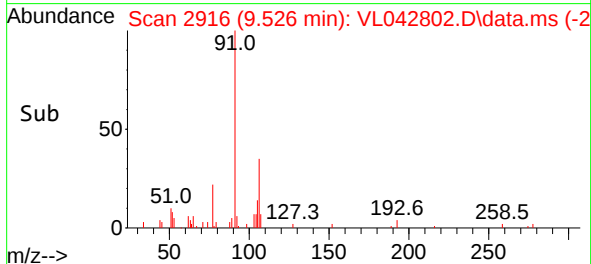
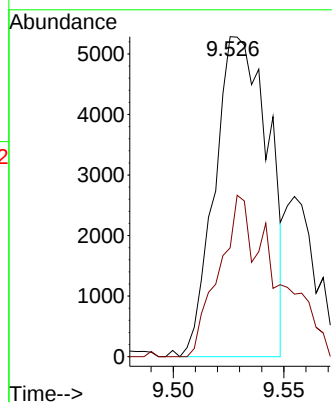
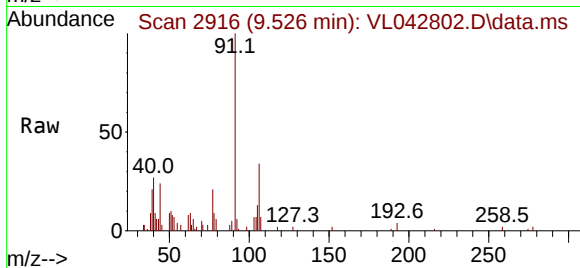
ClientSampleId :

Tgt Ion: 91 Resp: 8865

Ion Ratio Lower Upper

91 100

106 34.0 23.8 35.6



#59

m/p-Xylene

Concen: 0.048 ppbv

RT: 9.555 min Scan# 2925

Delta R.T. 0.003 min

Lab File: VL042802.D

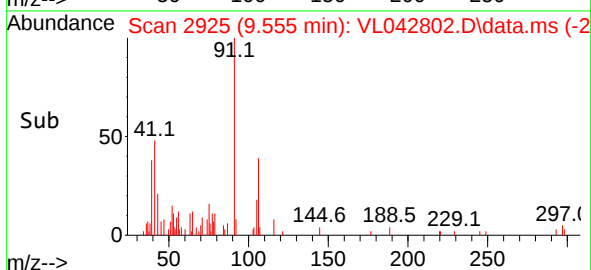
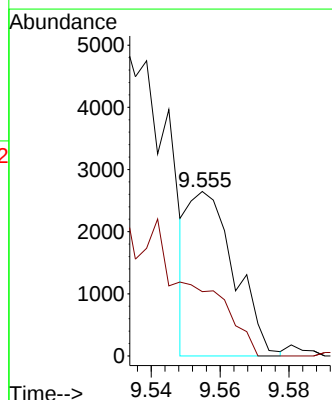
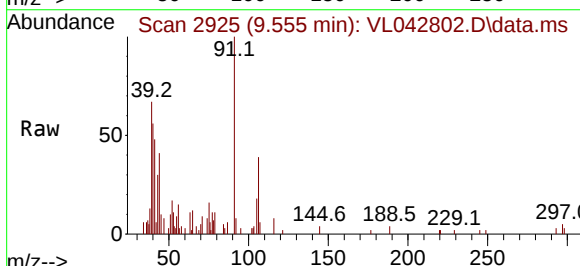
Acq: 04 Aug 2025 13:30

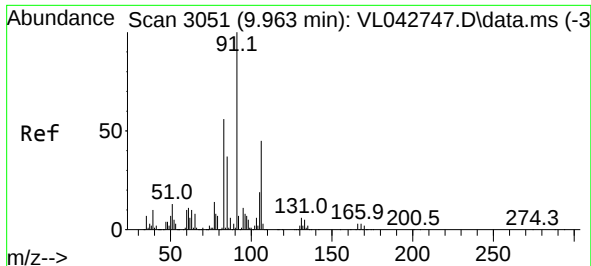
Tgt Ion: 91 Resp: 2465

Ion Ratio Lower Upper

91 100

106 0.0 37.4 56.2#

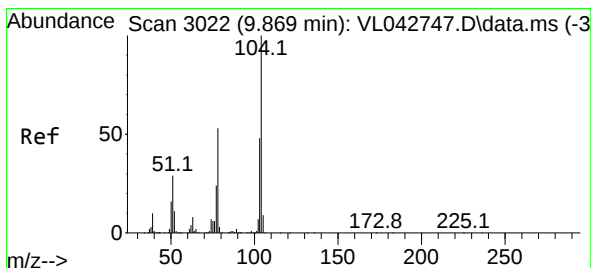
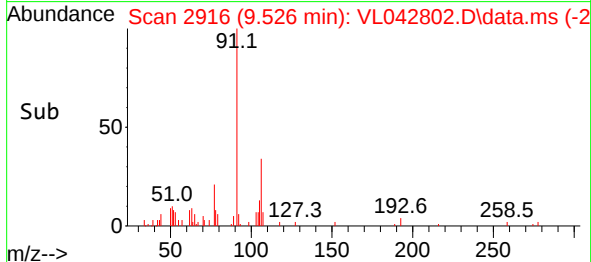
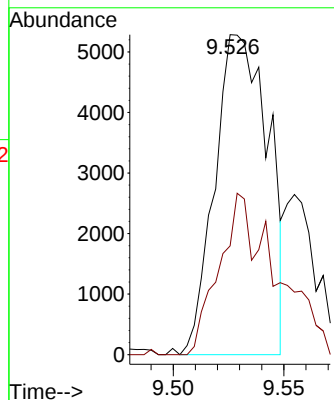
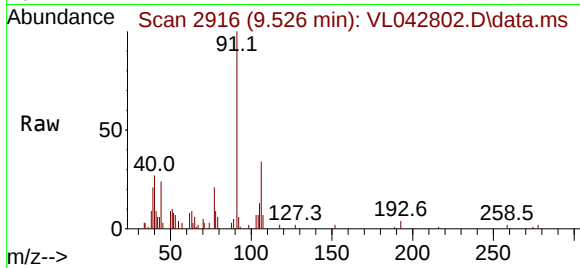




#60
o-Xylene
Concen: 0.171 ppbv
RT: 9.526 min Scan# 2916
Delta R.T. -0.437 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

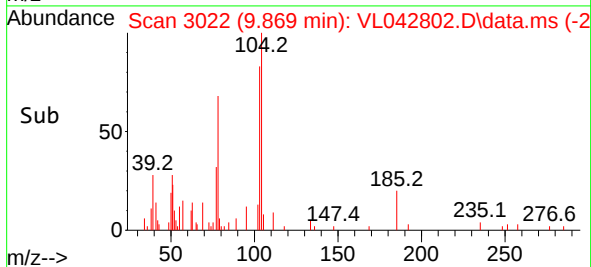
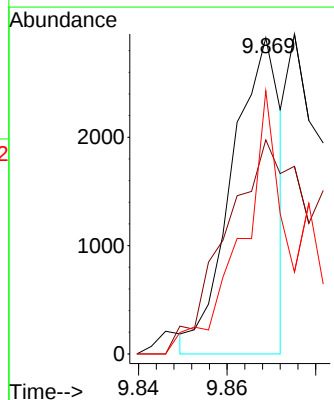
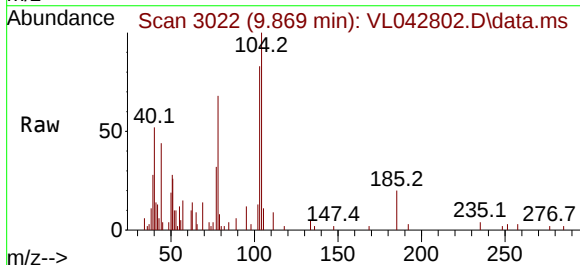
Instrument :
MSVOA_L
ClientSampleId :

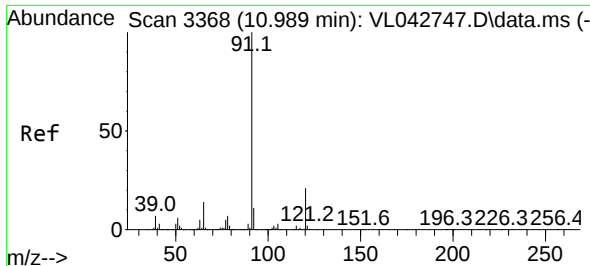
Tgt Ion: 91 Resp: 8865
Ion Ratio Lower Upper
91 100
106 53.9 22.0 66.0



#61
Styrene
Concen: 0.102 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. -0.000 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

Tgt Ion: 104 Resp: 2231
Ion Ratio Lower Upper
104 100
78 122.8 41.5 62.3#
103 94.6 37.5 56.3#

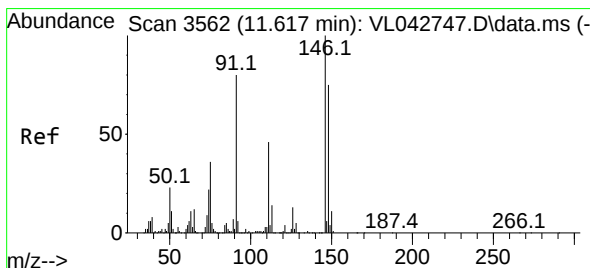
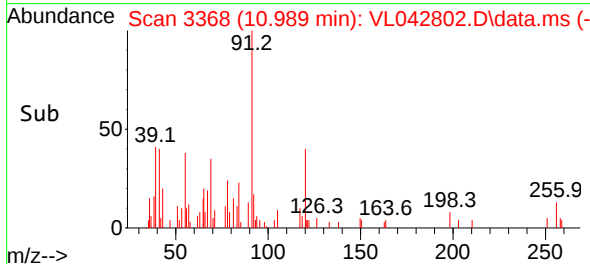
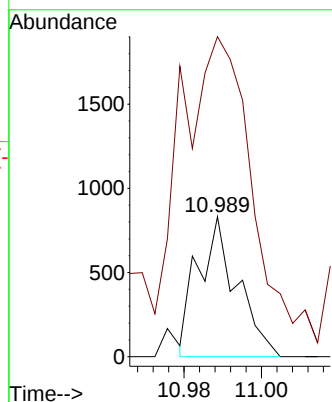
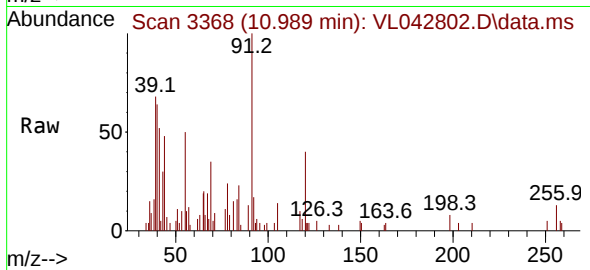




#64
n-propylbenzene
Concen: 0.029 ppbv
RT: 10.989 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

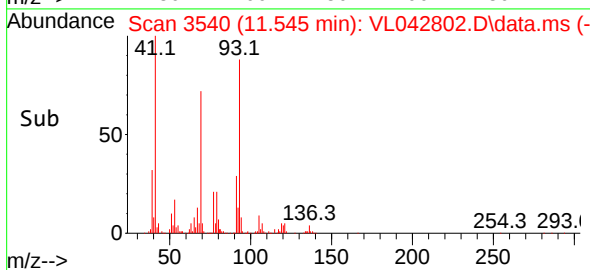
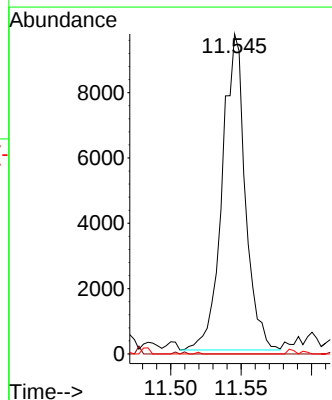
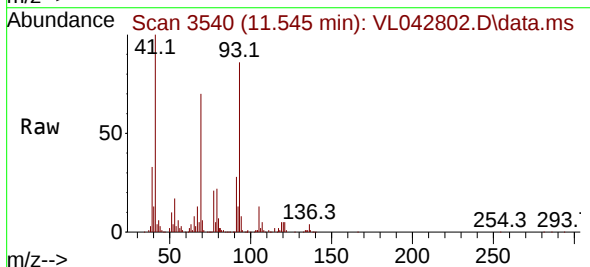
Instrument :
MSVOA_L
ClientSampleId :

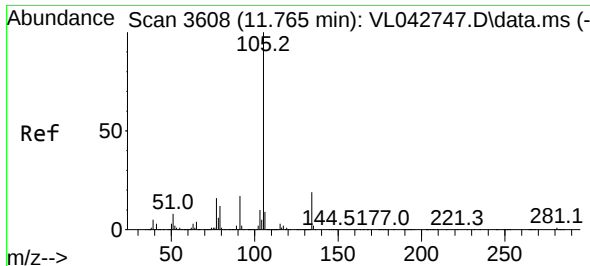
Tgt Ion:120 Resp: 582
Ion Ratio Lower Upper
120 100
91 435.9 372.7 559.1



#66
Benzyl Chloride
Concen: 1.986 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. -0.071 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

Tgt Ion: 91 Resp: 11074
Ion Ratio Lower Upper
91 100
126 0.3 14.4 21.6#
128 0.7 5.2 7.8#

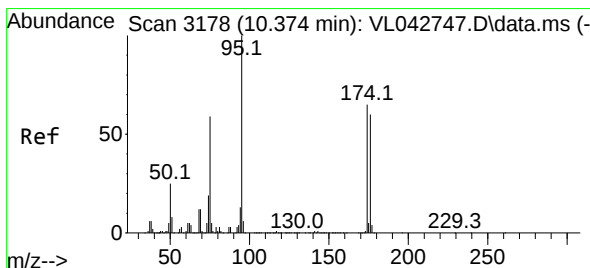
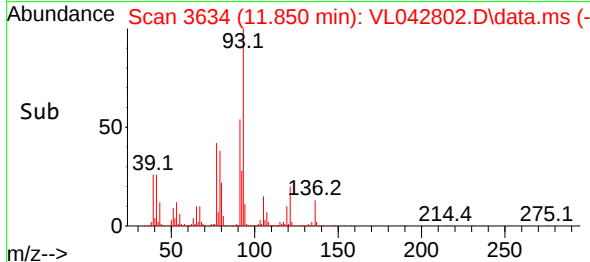
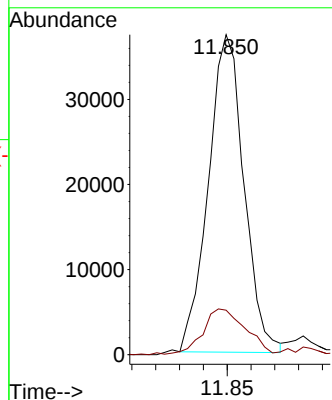
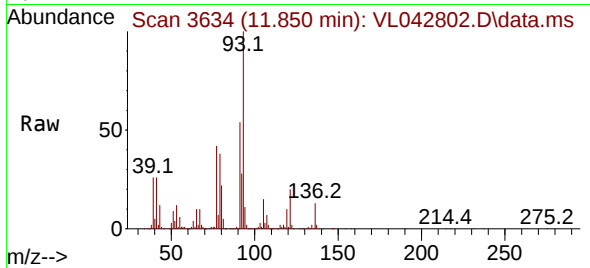




#67
 sec-Butylbenzene
 Concen: 0.401 ppbv
 RT: 11.850 min Scan# 3634
 Delta R.T. 0.084 min
 Lab File: VL042802.D
 Acq: 04 Aug 2025 13:30

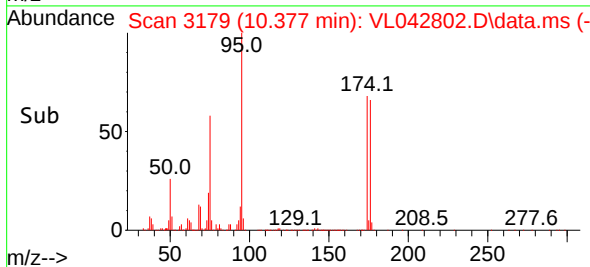
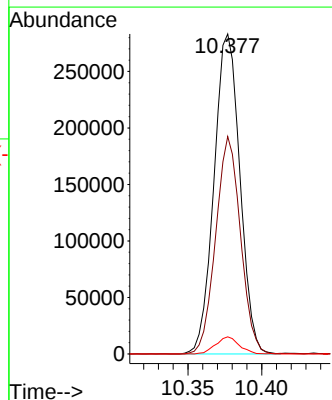
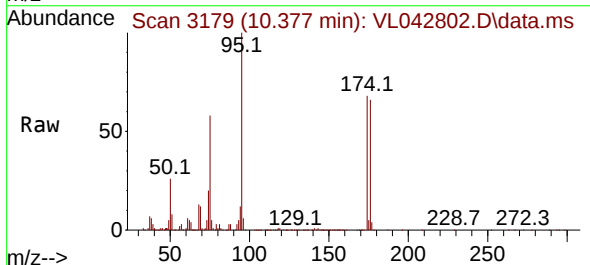
Instrument :
 MSVOA_L
 ClientSampleId :

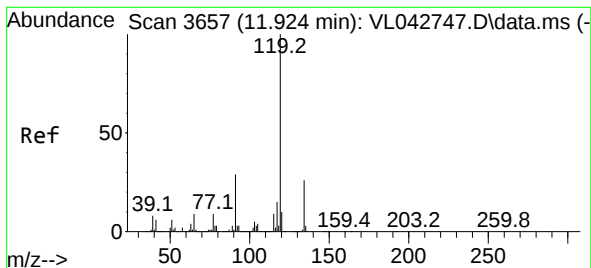
Tgt Ion:105 Resp: 38757
 Ion Ratio Lower Upper
 105 100
 134 18.1 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.619 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.003 min
 Lab File: VL042802.D
 Acq: 04 Aug 2025 13:30

Tgt Ion: 95 Resp: 345607
 Ion Ratio Lower Upper
 95 100
 174 65.1 53.8 80.6
 175 4.9 4.0 6.0

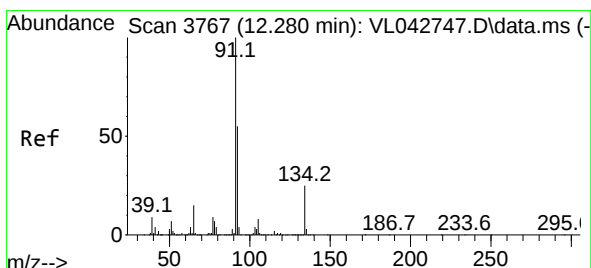
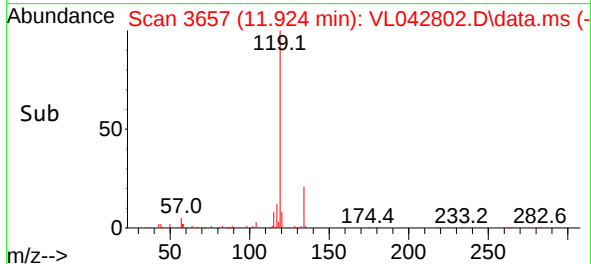
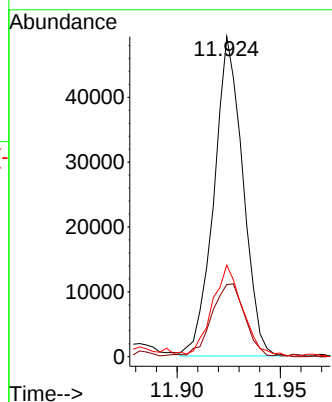
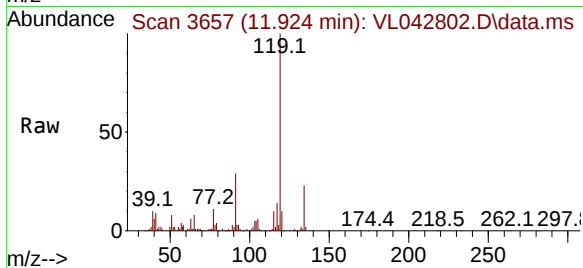




#69
 p-Isopropyltoluene
 Concen: 0.608 ppbv
 RT: 11.924 min Scan# 30
 Delta R.T. -0.000 min
 Lab File: VL042802.D
 Acq: 04 Aug 2025 13:30

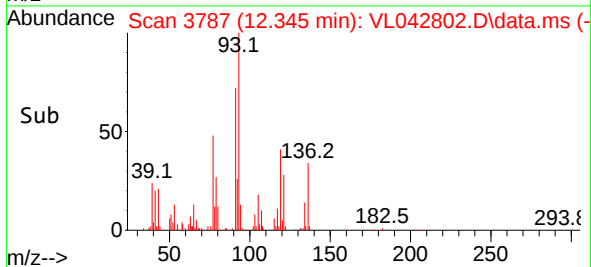
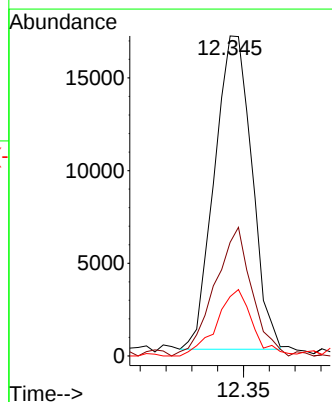
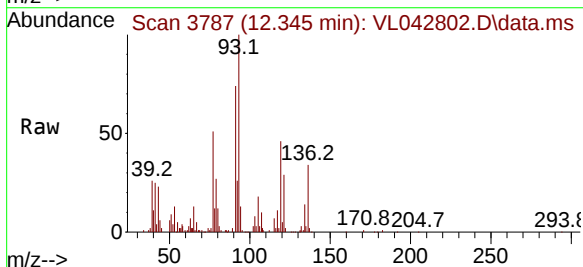
Instrument :
 MSVOA_L
 ClientSampleId :

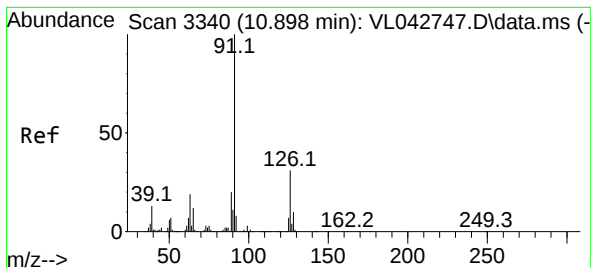
Tgt Ion:119 Resp: 47903
 Ion Ratio Lower Upper
 119 100
 134 26.7 20.6 31.0
 91 30.5 23.2 34.8



#70
 n-Butylbenzene
 Concen: 0.224 ppbv
 RT: 12.345 min Scan# 3787
 Delta R.T. 0.065 min
 Lab File: VL042802.D
 Acq: 04 Aug 2025 13:30

Tgt Ion: 91 Resp: 17047
 Ion Ratio Lower Upper
 91 100
 92 42.8 43.4 65.2#
 134 20.8 19.6 29.4

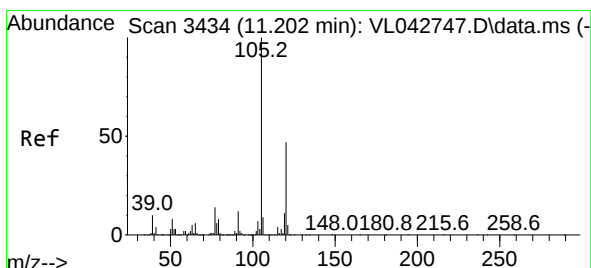
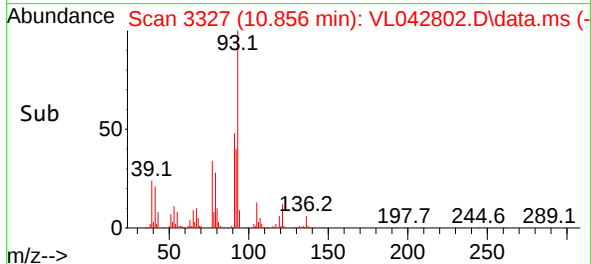
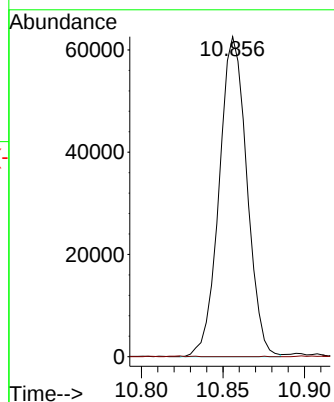
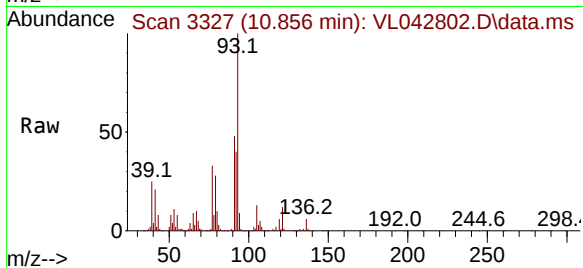




#71
2-Chlorotoluene
Concen: 1.261 ppbv
RT: 10.856 min Scan# 31
Delta R.T. -0.042 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

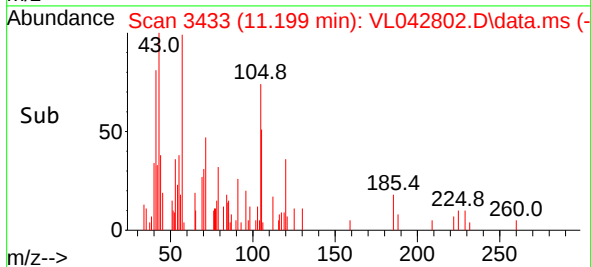
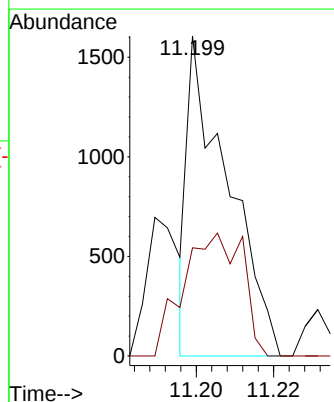
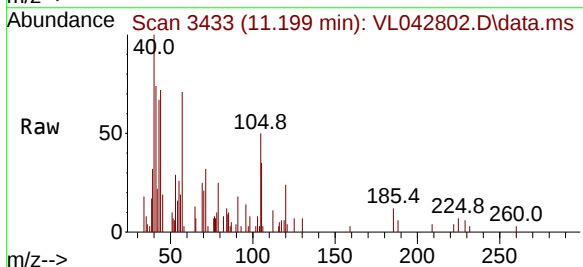
Instrument :
MSVOA_L
ClientSampleId :

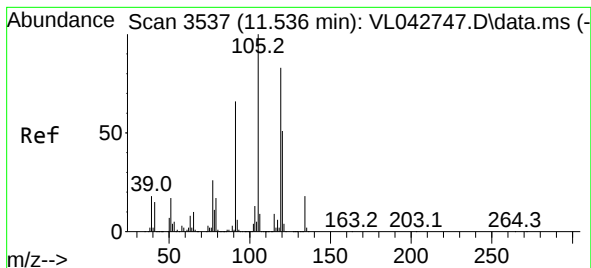
Tgt Ion: 91 Resp: 73906
Ion Ratio Lower Upper
91 100
126 0.2 12.0 48.2#



#73
1,3,5-Trimethylbenzene
Concen: 0.023 ppbv
RT: 11.199 min Scan# 3433
Delta R.T. -0.003 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

Tgt Ion: 105 Resp: 1161
Ion Ratio Lower Upper
105 100
120 33.8 37.8 56.8#





#74

1,2,4-Trimethylbenzene

Concen: 0.129 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.000 min

Lab File: VL042802.D

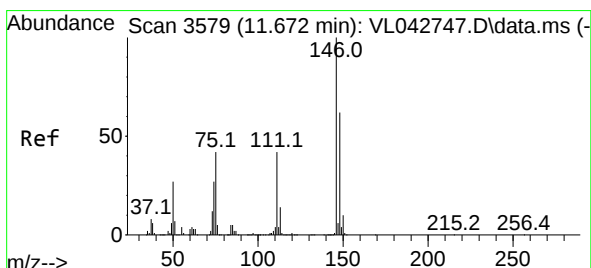
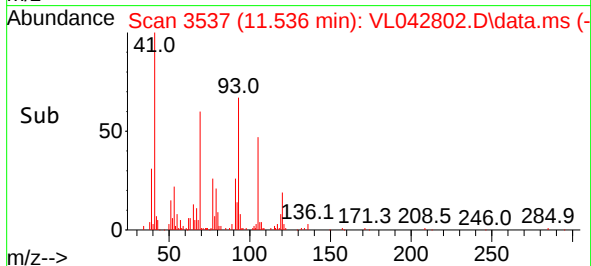
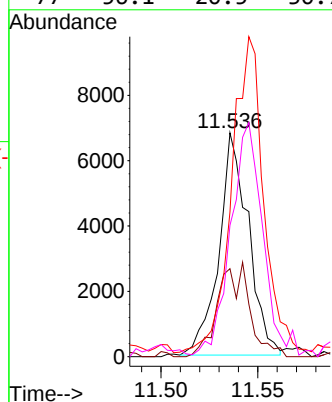
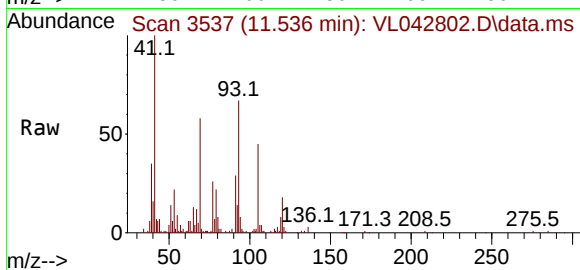
Acq: 04 Aug 2025 13:30

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	105	Resp:	7196
Ion	Ratio	Lower	Upper
105	100		
120	39.6	40.8	61.2#
91	63.1	53.0	79.4
77	56.1	20.5	30.7#



#76

1,4-Dichlorobenzene

Concen: 0.067 ppbv

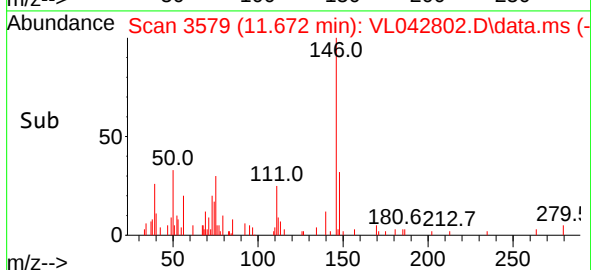
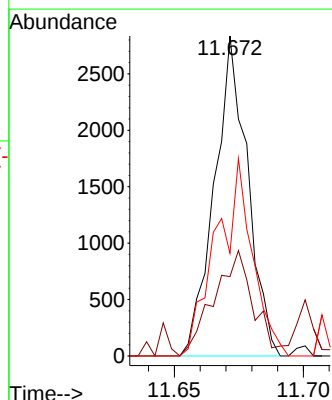
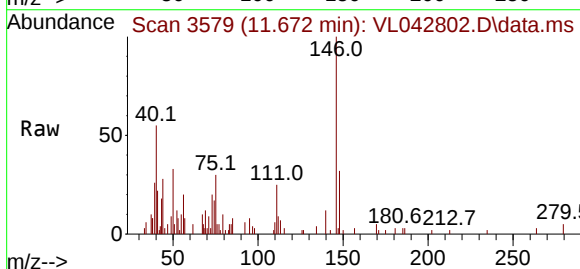
RT: 11.672 min Scan# 3579

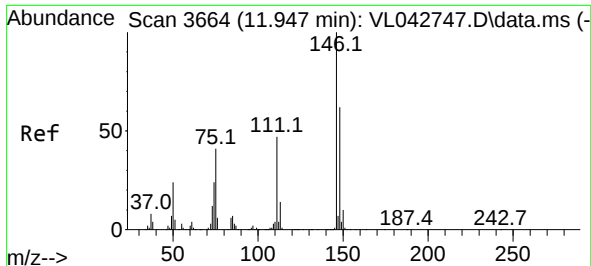
Delta R.T. -0.000 min

Lab File: VL042802.D

Acq: 04 Aug 2025 13:30

Tgt Ion:	146	Resp:	2545
Ion	Ratio	Lower	Upper
146	100		
111	54.9	21.4	64.2
148	66.5	32.1	96.3

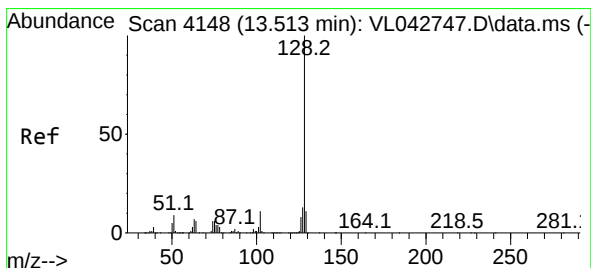
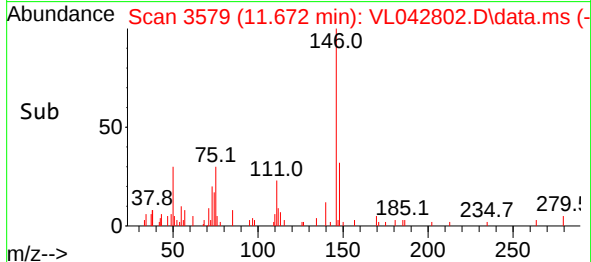
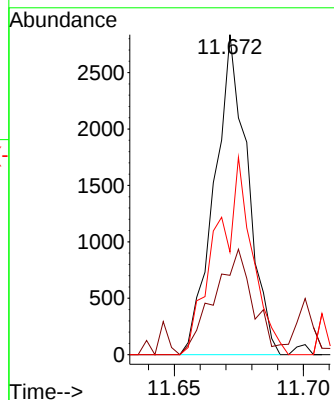
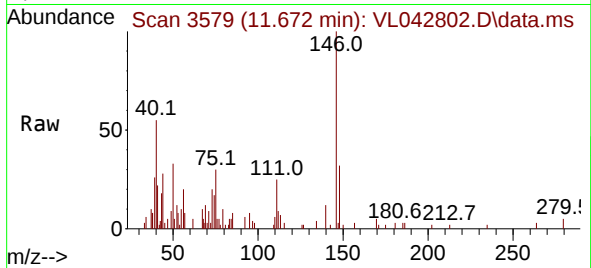




#77
1,2-Dichlorobenzene
Concen: 0.066 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. -0.275 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

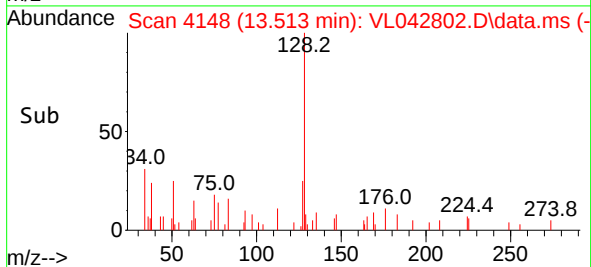
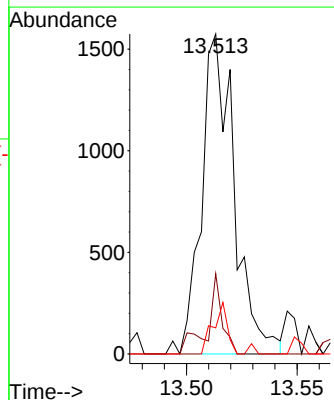
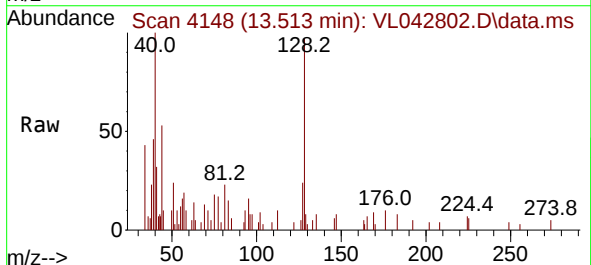
Instrument :
MSVOA_L
ClientSampleId :

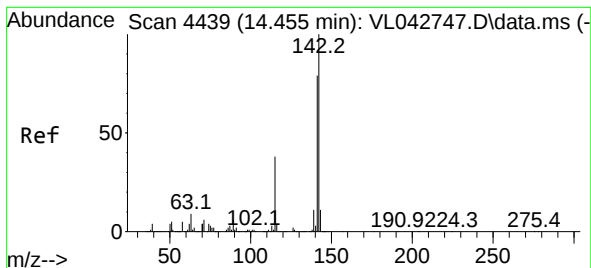
Tgt Ion:	146	Resp:	2545
Ion Ratio	Lower	Upper	
146	100		
111	41.6	23.7	71.1
148	69.9	32.6	97.7



#79
Naphthalene
Concen: 0.461 ppbv
RT: 13.513 min Scan# 4148
Delta R.T. -0.000 min
Lab File: VL042802.D
Acq: 04 Aug 2025 13:30

Tgt Ion:	128	Resp:	1603
Ion Ratio	Lower	Upper	
128	100		
127	25.1	10.5	15.7#
129	8.2	8.6	13.0#





#80

Naphthalene, 2-methyl-

Concen: 1.140 ppbv

RT: 14.465 min Scan# 4439

Delta R.T. 0.010 min

Lab File: VL042802.D

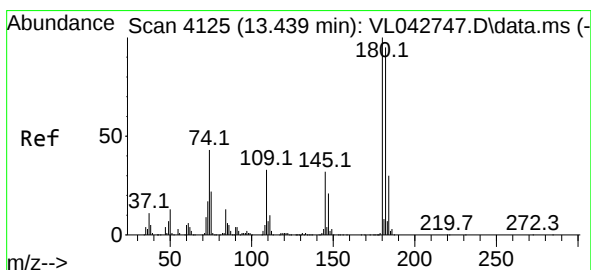
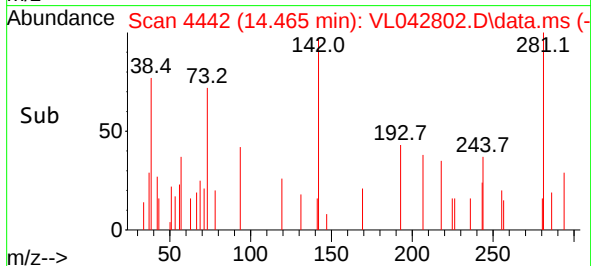
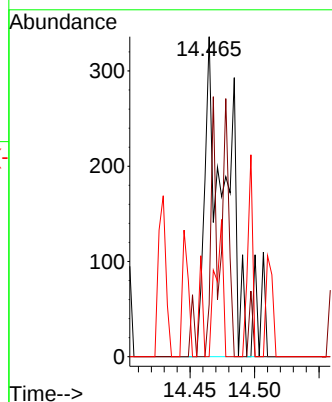
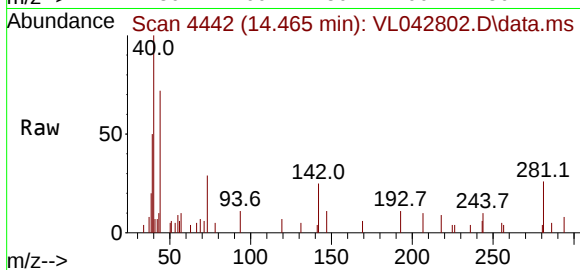
Acq: 04 Aug 2025 13:30

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	142	Resp:	404
Ion Ratio	Lower	Upper	
142	100		
141	48.5	65.8	98.8#
115	15.1	31.2	46.8#



#81

1,2,4-Trichlorobenzene

Concen: 0.438 ppbv

RT: 13.439 min Scan# 4125

Delta R.T. -0.000 min

Lab File: VL042802.D

Acq: 04 Aug 2025 13:30

Tgt Ion:	180	Resp:	115
Ion Ratio	Lower	Upper	
180	100		
182	181.7	76.2	114.2#
184	20.0	24.8	37.2#

