

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
 Data File : VL042846.D
 Acq On : 13 Aug 2025 10:53
 Operator : SY/MD
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 14 01:49:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Aug 14 01:44:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	123711	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	390520	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	345073	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	257439	9.948	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	1967	0.108	ppbv	89
3) Chlorodifluoromethane	1.479	51	2553	0.127	ppbv	100
4) Chloromethane	1.538	50	1167	0.160	ppbv #	72
5) Vinyl Chloride	1.583	62	790	0.110	ppbv #	86
6) Bromomethane	1.674	94	414	0.144	ppbv #	32
7) Chloroethane	1.709	64	272	0.097	ppbv #	23
8) Dichlorotetrafluoroethane	1.557	85	1898	0.128	ppbv	92
9) Propene	1.486	41	1233	0.142	ppbv #	1
10) Heptane	4.991	43	560	0.024	ppbv #	1
11) Trichlorofluoromethane	1.557	101	307	0.017	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.146	101	1758	0.123	ppbv	93
13) Ethanol	1.890	45	1584	1.847	ppbv	80
14) Bromoethene	1.787	108	602	0.117	ppbv #	30
15) Acetone	1.839	43	3411	0.208	ppbv #	72
16) 1,3-Butadiene	1.612	39	795	0.107	ppbv #	16
17) tert-Butyl alcohol	2.046	59	2697	0.139	ppbv #	64
18) 1,1-Dichloroethene	2.039	96	964	0.154	ppbv	92
19) Isopropyl Alcohol	1.890	45	1584	0.162	ppbv #	76
20) Methylene Chloride	2.065	84	2577	0.376	ppbv	92
21) Allyl Chloride	2.098	41	2198	0.190	ppbv #	67
22) trans-1,2-Dichloroethene	2.039	96	964	0.138	ppbv	86
23) Vinyl Acetate	2.463	43	3002	0.139	ppbv #	69
24) 1,1-Dichloroethane	2.415	63	1879	0.130	ppbv #	95
25) Ethyl Acetate	2.836	43	1206	0.030	ppbv #	74
26) Hexane	2.836	57	2223	0.122	ppbv #	3
27) Carbon Disulfide	2.156	76	965	0.054	ppbv #	1
28) Methyl tert-Butyl Ether	2.447	73	1300	0.139	ppbv #	1
29) Chloroform	2.855	83	2962	0.113	ppbv	98
30) Cyclohexane	3.865	84	835	0.052	ppbv #	1
31) cis-1,2-Dichloroethene	2.725	61	1839	0.101	ppbv #	86
32) 1,1,1-Trichloroethane	3.373	97	2627	0.095	ppbv	86
34) 2-Butanone	2.564	43	2970	0.113	ppbv	93
35) Carbon Tetrachloride	3.774	117	2883	0.107	ppbv	89
36) Benzene	3.661	78	2430	0.065	ppbv	97
37) 1,2-Dichloroethane	3.230	62	576	0.029	ppbv #	47
38) Trichloroethene	4.557	130	624	0.037	ppbv #	79
39) 1,2-Dichloropropane	3.962	63	96098	7.036	ppbv #	26
40) 1,4-Dioxane	4.625	88	693	0.108	ppbv #	17
41) Tetrahydrofuran	3.049	42	78	0.005	ppbv #	36
42) Bromodichloromethane	4.489	83	756	0.026	ppbv #	27
43) Methyl Methacrylate	4.894	69	1289	0.084	ppbv #	61
44) 2,2,4-Trimethylpentane	4.645	57	2178	0.035	ppbv #	1
45) t-1,3-Dichloropropene	6.415	75	486	0.028	ppbv	94

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 ALS Vial : 1 Sample Multiplier: 1

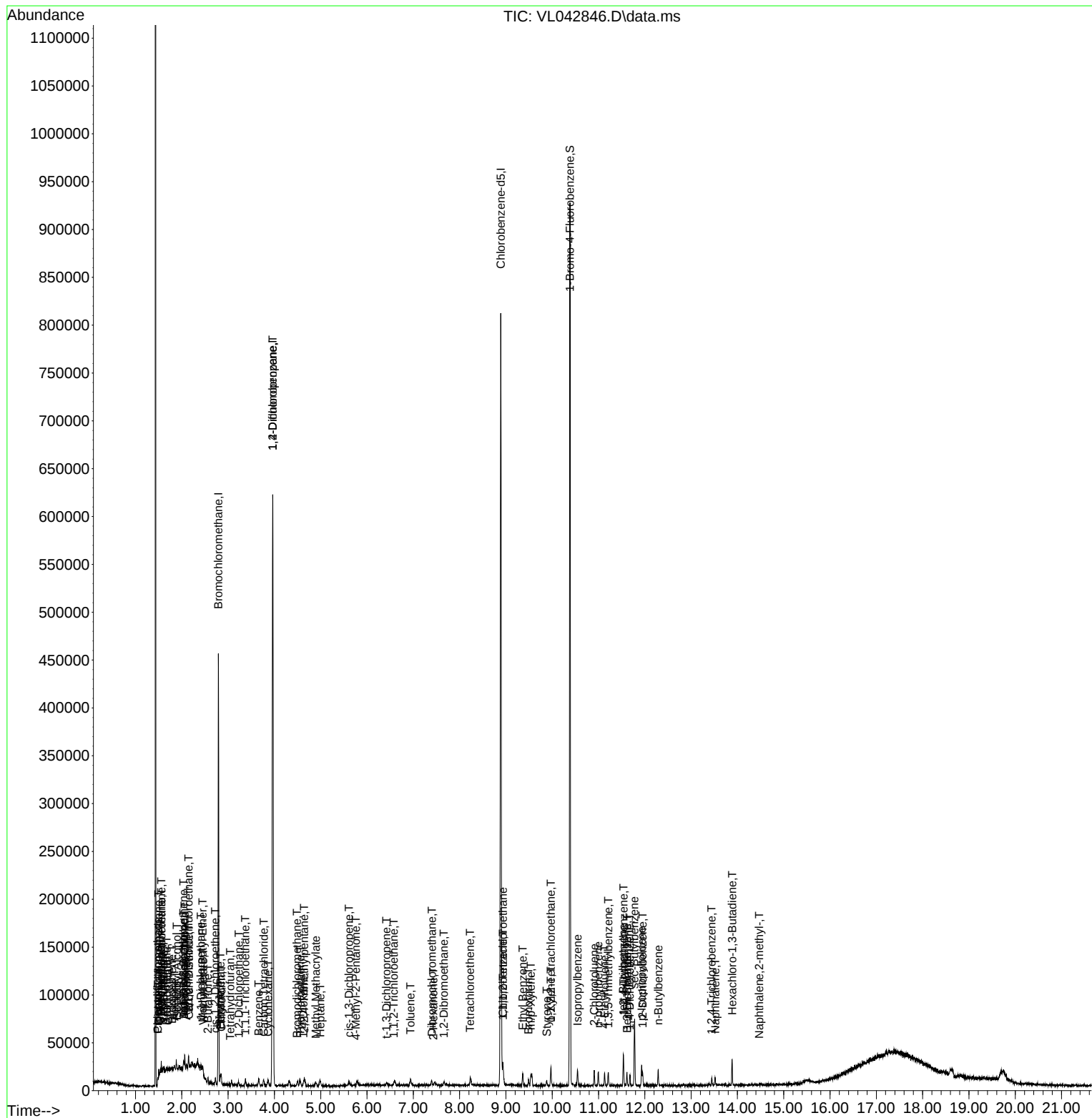
Instrument :
 MSVOA_L
 ClientSampleId :

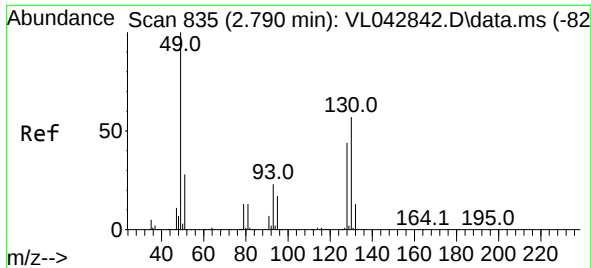
Quant Time: Aug 14 01:49:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	1454	0.067	ppbv #	85
47) 1,1,2-Trichloroethane	6.580	97	260	0.018	ppbv #	20
48) Dibromochloromethane	7.399	129	2052	0.088	ppbv	74
49) Bromoform	9.487	173	1909	0.099	ppbv	91
50) 4-Methyl-2-Pentanone	5.758	43	266	0.007	ppbv #	38
51) 2-Hexanone	7.432	43	57	0.002	ppbv #	27
52) Tetrachloroethene	8.228	164	425	0.031	ppbv #	56
53) Toluene	6.940	91	1918	0.043	ppbv #	21
54) 1,2-Dibromoethane	7.658	107	828	0.039	ppbv #	72
56) 1,1,1,2-Tetrachloroethane	8.937	131	573	0.032	ppbv #	1
57) Chlorobenzene	8.933	112	3936	0.120	ppbv #	92
58) Ethyl Benzene	9.361	91	6413	0.105	ppbv	97
59) m/p-Xylene	9.539	91	4356	0.091	ppbv #	100
60) o-Xylene	9.972	91	5090	0.106	ppbv	91
61) Styrene	9.882	104	2306	0.103	ppbv	98
62) Isopropylbenzene	10.545	105	7444	0.106	ppbv	94
63) 1,1,2,2-Tetrachloroethane	9.972	83	2672	0.102	ppbv	99
64) n-propylbenzene	10.995	120	1372	0.077	ppbv #	36
65) tert-Butylbenzene	11.532	119	6442	0.104	ppbv	88
66) Benzyl Chloride	11.620	91	276	0.035	ppbv #	65
67) sec-Butylbenzene	11.772	105	9332	0.107	ppbv #	91
69) p-Isopropyltoluene	11.934	119	7360	0.099	ppbv #	93
70) n-Butylbenzene	12.290	91	6458	0.087	ppbv	95
71) 2-Chlorotoluene	10.908	91	5660	0.104	ppbv	100
72) 4-Ethyltoluene	11.131	105	5621	0.097	ppbv #	88
73) 1,3,5-Trimethylbenzene	11.212	105	5297	0.107	ppbv	93
74) 1,2,4-Trimethylbenzene	11.542	105	5786	0.106	ppbv #	83
75) 1,3-Dichlorobenzene	11.617	146	3112	0.101	ppbv	93
76) 1,4-Dichlorobenzene	11.675	146	2717	0.087	ppbv	92
77) 1,2-Dichlorobenzene	11.953	146	3151	0.104	ppbv	99
78) Hexachloro-1,3-Butadiene	13.885	225	2639	0.106	ppbv	95
79) Naphthalene	13.520	128	3670	0.075	ppbv #	94
80) Naphthalene,2-methyl-	14.471	142	682	0.037	ppbv #	82
81) 1,2,4-Trichlorobenzene	13.442	180	1342	0.054	ppbv	90

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
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QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

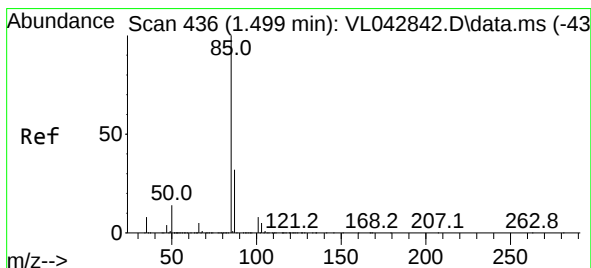
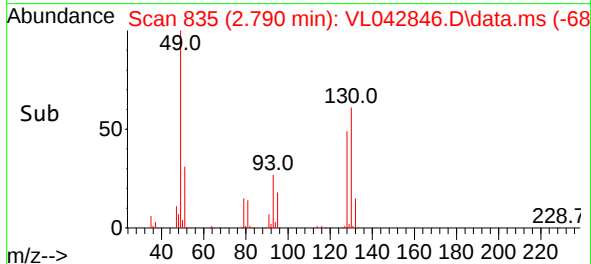
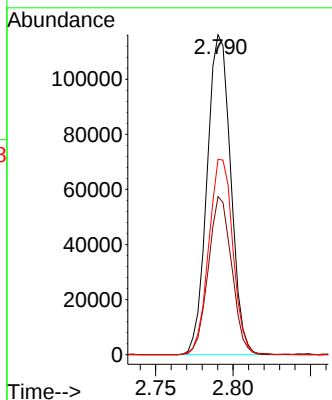
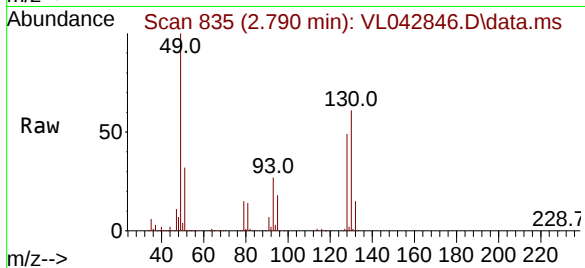




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 835
Delta R.T. 0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

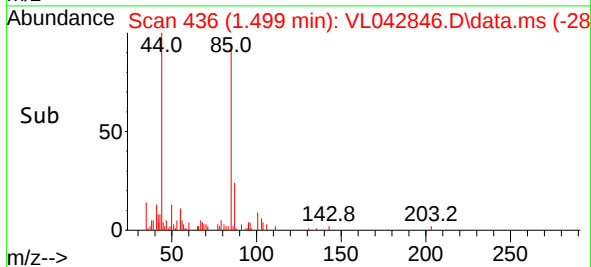
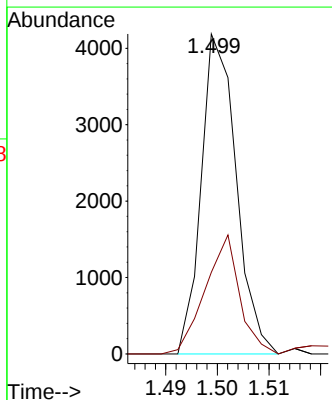
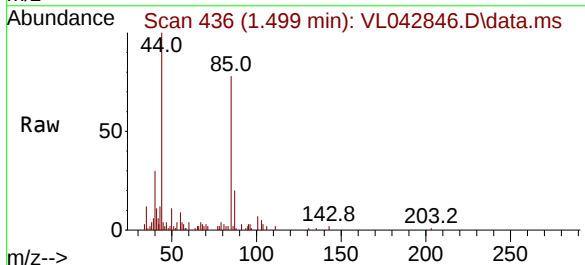
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MSVOA_L
ClientSampleId :

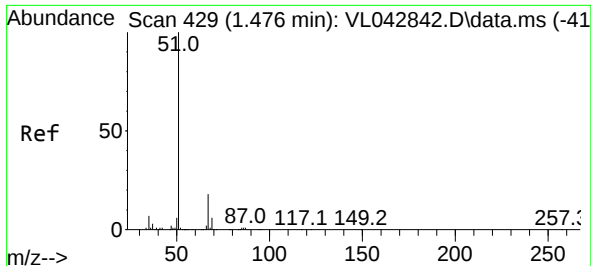
Tgt Ion: 49 Resp: 123711
Ion Ratio Lower Upper
49 100
128 48.6 23.7 71.1
130 62.1 30.6 91.6



#2
Dichlorodifluoromethane
Concen: 0.108 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 85 Resp: 1967
Ion Ratio Lower Upper
85 100
87 25.5 25.3 37.9

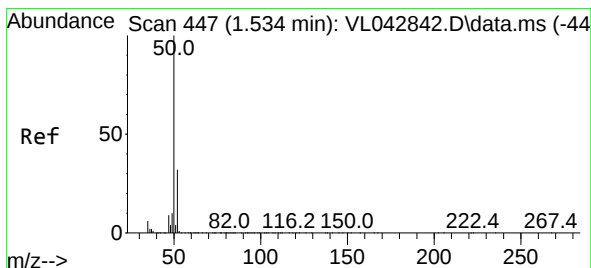
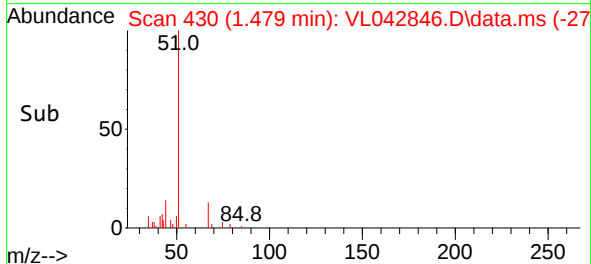
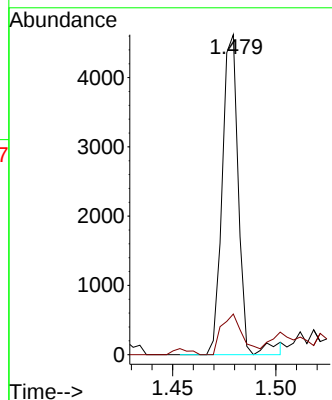
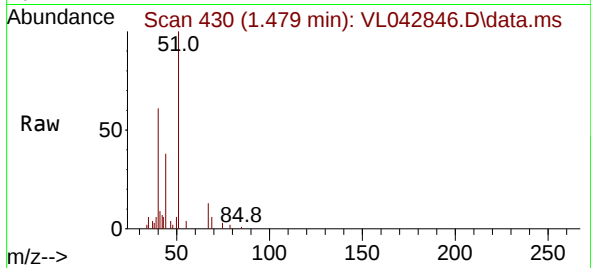




#3
Chlorodifluoromethane
Concen: 0.127 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

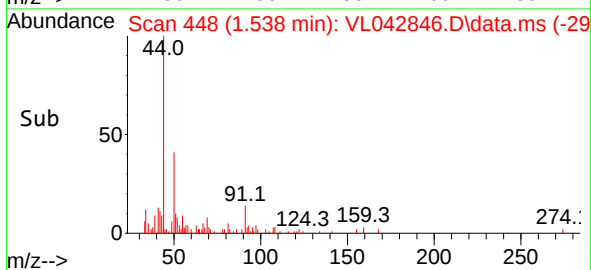
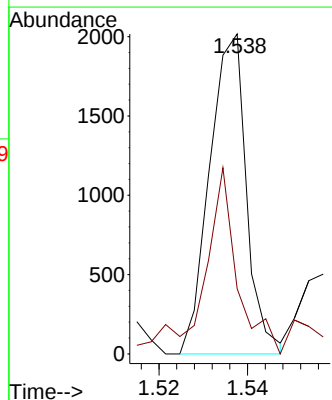
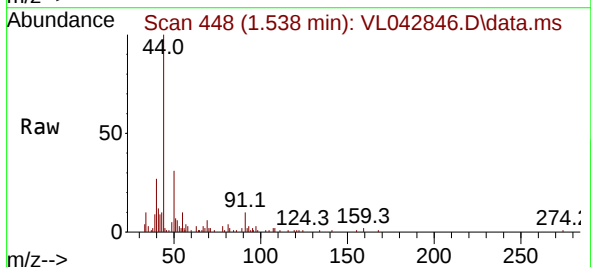
Instrument :
MSVOA_L
ClientSampleId :

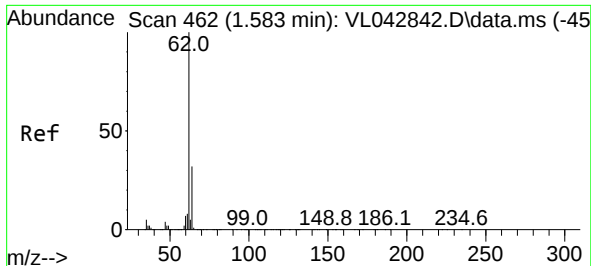
Tgt Ion: 51 Resp: 2553
Ion Ratio Lower Upper
51 100
67 18.6 14.9 22.3



#4
Chloromethane
Concen: 0.160 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 50 Resp: 1167
Ion Ratio Lower Upper
50 100
52 16.8 25.9 38.9#

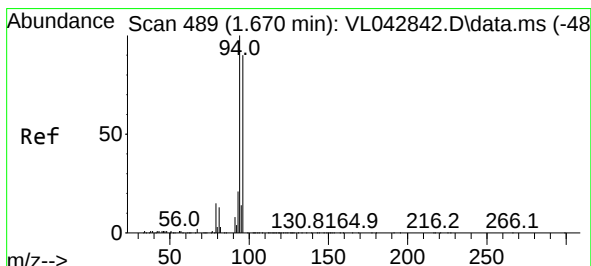
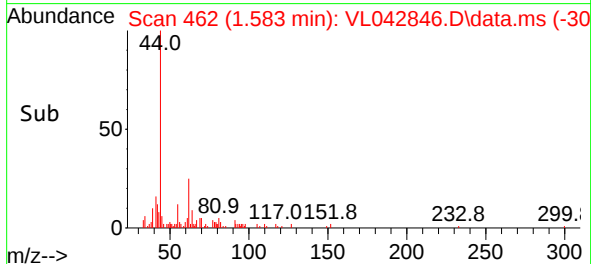
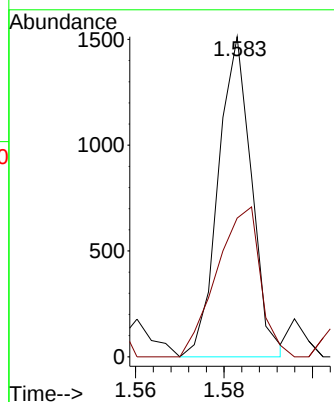
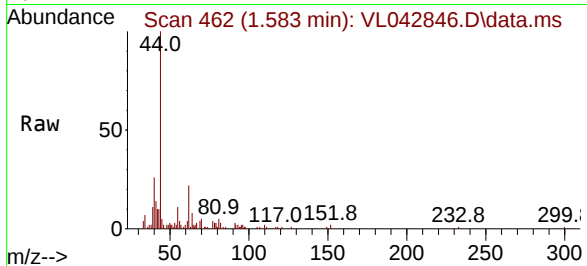




#5
 Vinyl Chloride
 Concen: 0.110 ppbv
 RT: 1.583 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042846.D
 Acq: 13 Aug 2025 10:53

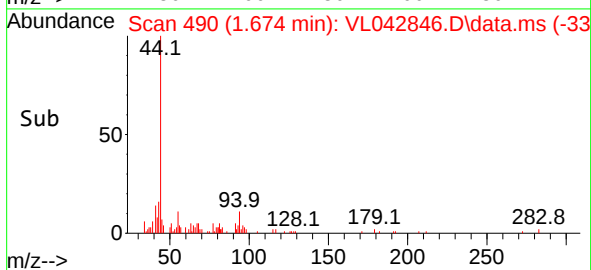
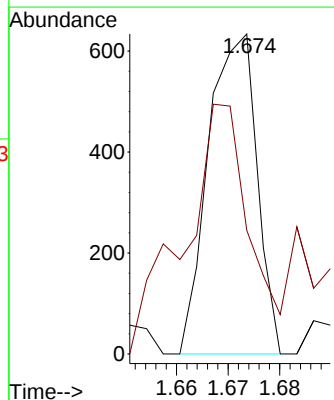
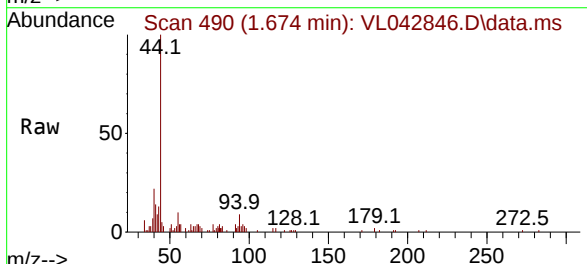
Instrument :
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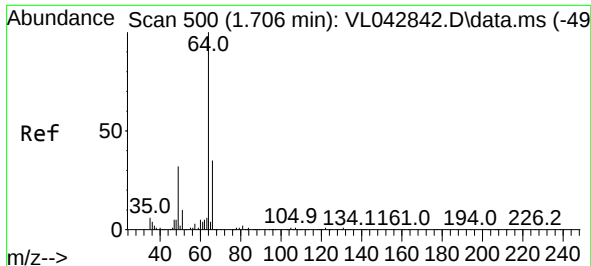
Tgt Ion: 62 Resp: 790
 Ion Ratio Lower Upper
 62 100
 64 39.7 25.4 38.2#



#6
 Bromomethane
 Concen: 0.144 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.003 min
 Lab File: VL042846.D
 Acq: 13 Aug 2025 10:53

Tgt Ion: 94 Resp: 414
 Ion Ratio Lower Upper
 94 100
 96 26.3 72.1 108.1#

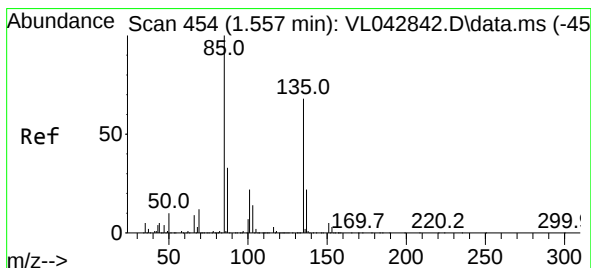
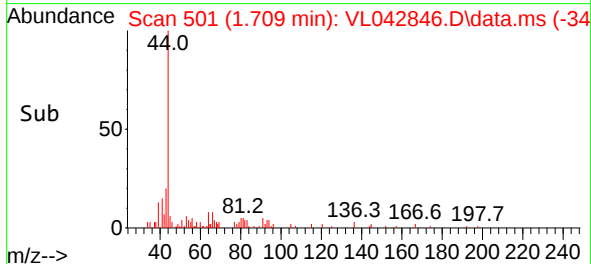
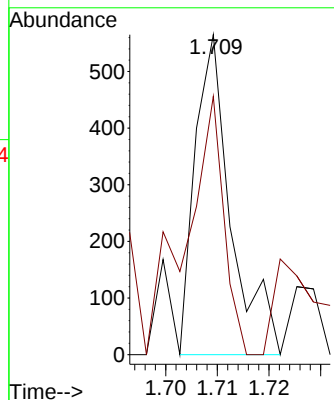
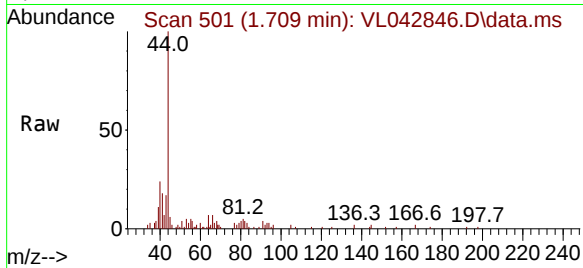




#7
Chloroethane
Concen: 0.097 ppbv
RT: 1.709 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

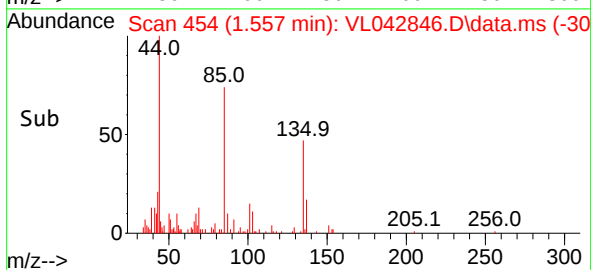
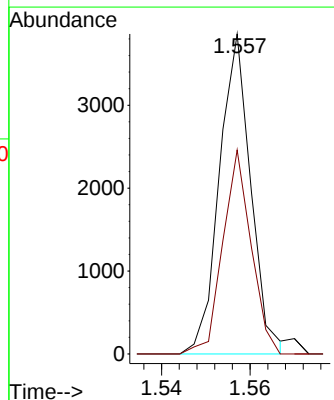
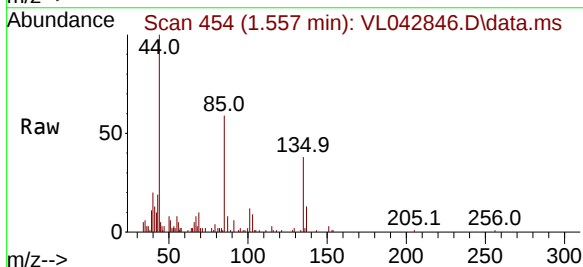
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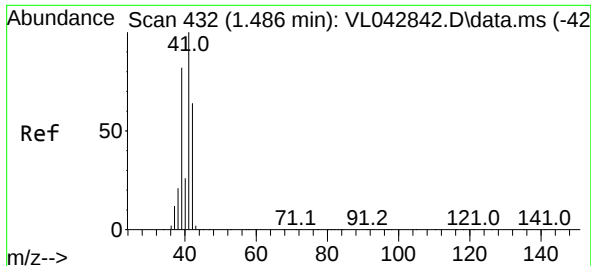
Tgt Ion: 64 Resp: 272
Ion Ratio Lower Upper
64 100
66 80.7 28.6 42.8#



#8
Dichlorotetrafluoroethane
Concen: 0.128 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 85 Resp: 1898
Ion Ratio Lower Upper
85 100
135 57.6 51.2 76.8

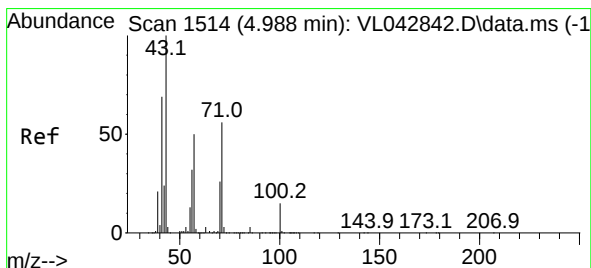
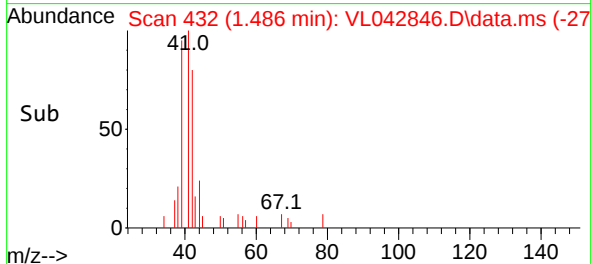
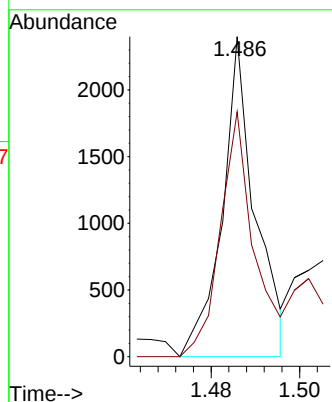
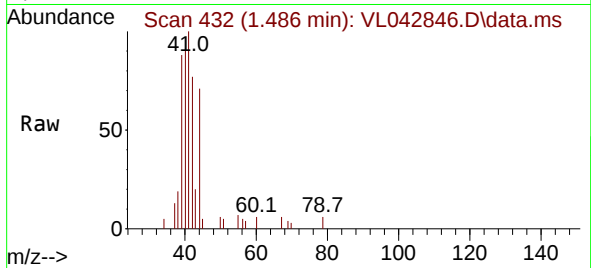




#9
 Propene
 Concen: 0.142 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042846.D
 Acq: 13 Aug 2025 10:53

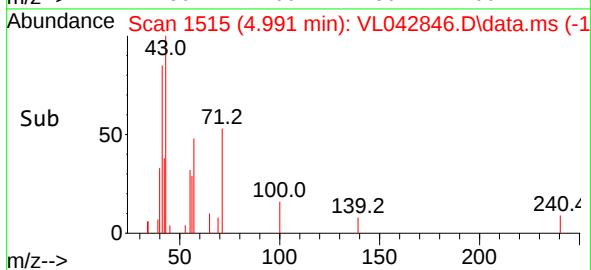
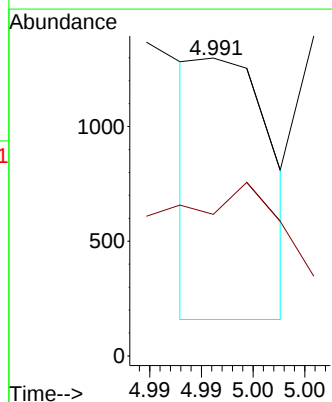
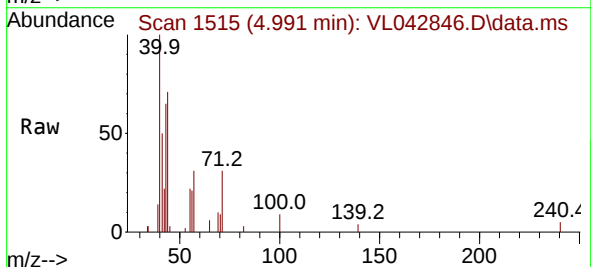
Instrument :
 MSVOA_L
 ClientSampleId :

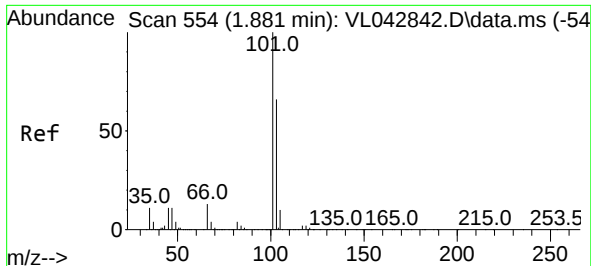
Tgt Ion: 41 Resp: 1233
 Ion Ratio Lower Upper
 41 100
 42 148.2 53.0 79.4#



#10
 Heptane
 Concen: 0.024 ppbv
 RT: 4.991 min Scan# 1515
 Delta R.T. 0.003 min
 Lab File: VL042846.D
 Acq: 13 Aug 2025 10:53

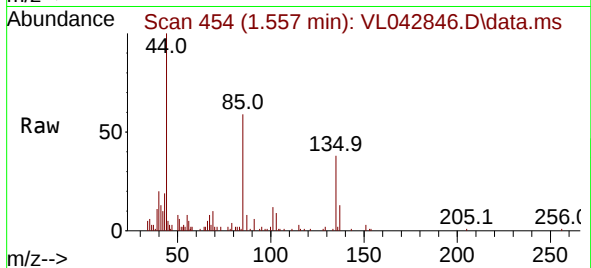
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 Ion Ratio Lower Upper
 43 100
 57 281.8 41.4 62.0#



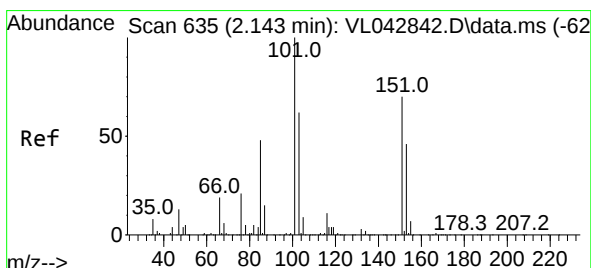
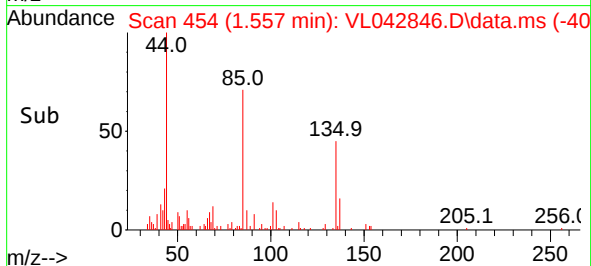
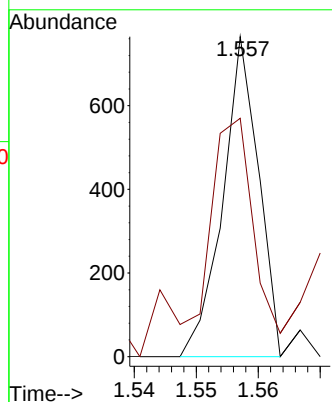


#11
 Trichlorofluoromethane
 Concen: 0.017 ppbv
 RT: 1.557 min Scan# 411
 Delta R.T. -0.324 min
 Lab File: VL042846.D
 Acq: 13 Aug 2025 10:53

Instrument :
 MSVOA_L
 ClientSampleId :

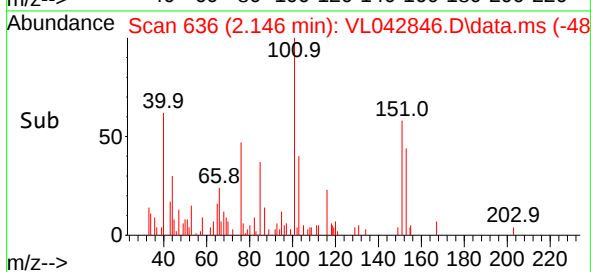
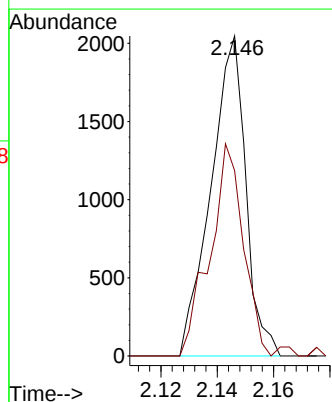
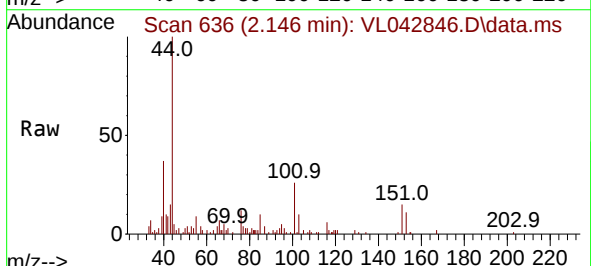


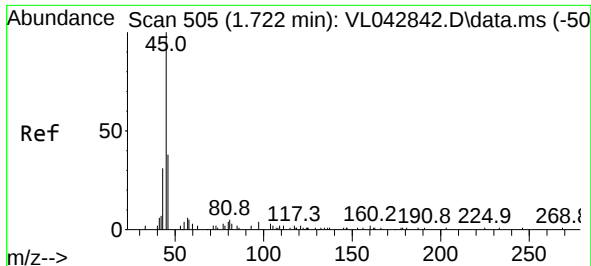
Tgt Ion:101 Resp: 307
 Ion Ratio Lower Upper
 101 100
 103 67.2 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.123 ppbv
 RT: 2.146 min Scan# 636
 Delta R.T. 0.003 min
 Lab File: VL042846.D
 Acq: 13 Aug 2025 10:53

Tgt Ion:101 Resp: 1758
 Ion Ratio Lower Upper
 101 100
 151 64.7 56.4 84.6





#13

Ethanol

Concen: 1.847 ppbv

RT: 1.890 min Scan# 51

Delta R.T. 0.168 min

Lab File: VL042846.D

Acq: 13 Aug 2025 10:53

Instrument :

MSVOA_L

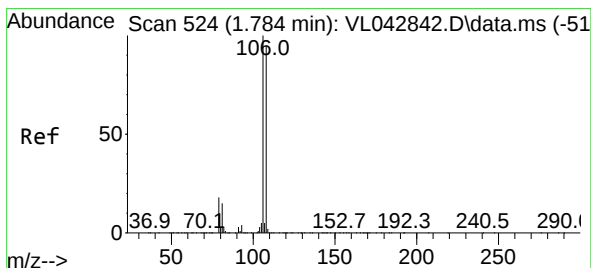
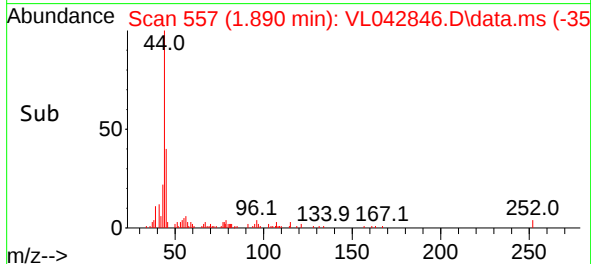
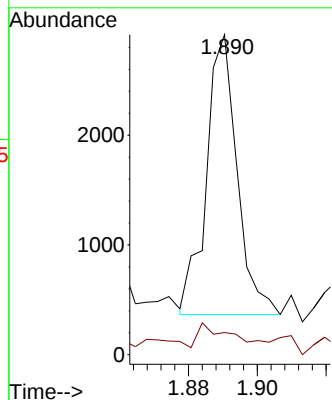
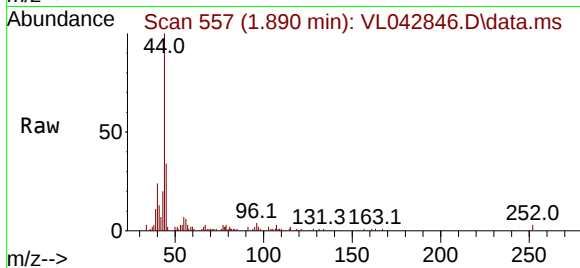
ClientSampleId :

Tgt Ion: 45 Resp: 1584

Ion Ratio Lower Upper

45 100

46 30.6 17.5 69.9



#14

Bromoethene

Concen: 0.117 ppbv

RT: 1.787 min Scan# 525

Delta R.T. 0.003 min

Lab File: VL042846.D

Acq: 13 Aug 2025 10:53

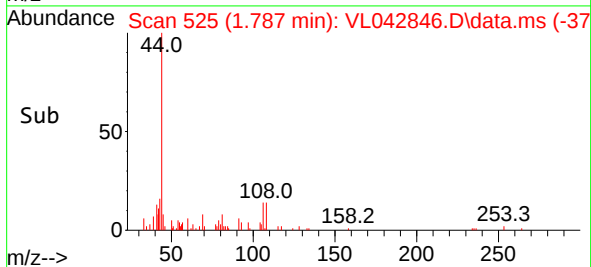
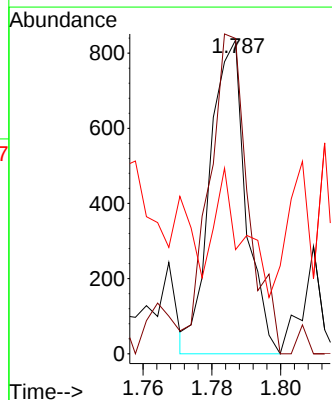
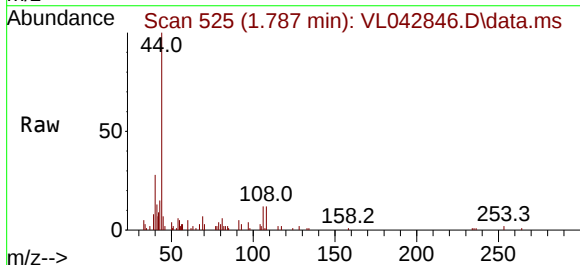
Tgt Ion: 108 Resp: 602

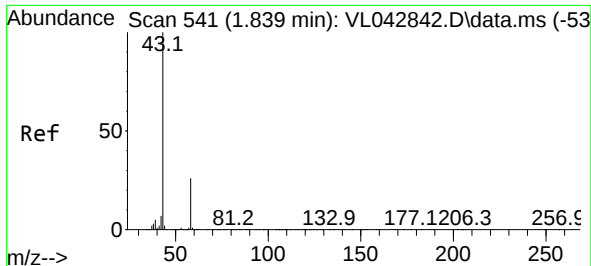
Ion Ratio Lower Upper

108 100

106 149.0 85.1 127.7#

79 122.9 16.3 24.5#

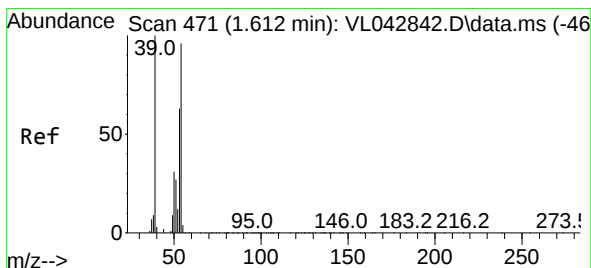
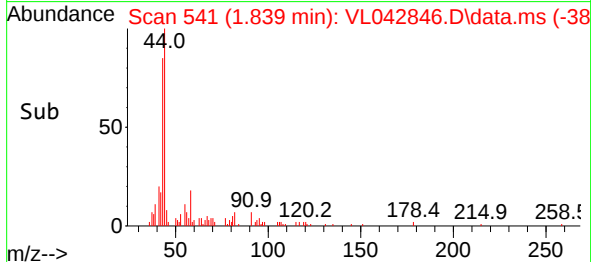
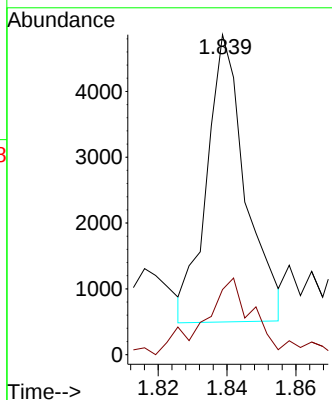
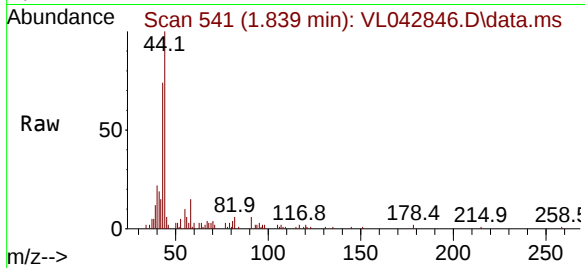




#15
Acetone
Concen: 0.208 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

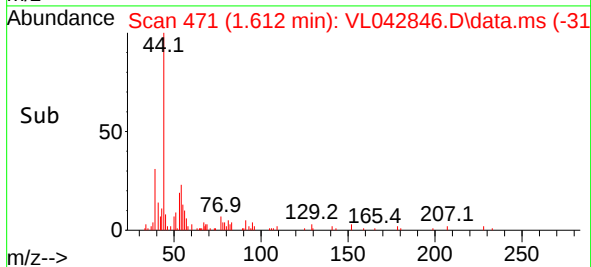
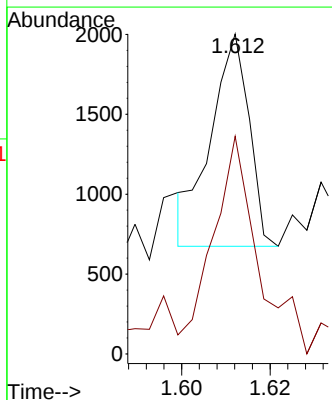
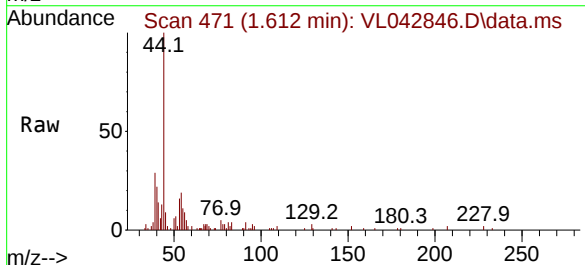
Instrument :
MSVOA_L
ClientSampleId :

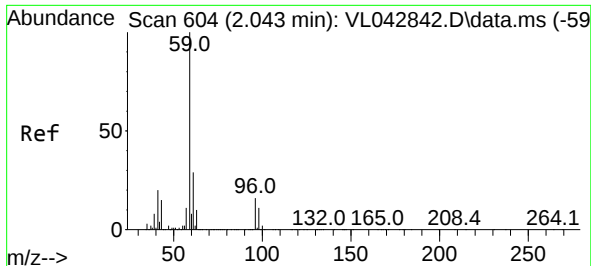
Tgt Ion: 43 Resp: 3411
Ion Ratio Lower Upper
43 100
58 42.9 22.4 33.6#



#16
1,3-Butadiene
Concen: 0.107 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 39 Resp: 795
Ion Ratio Lower Upper
39 100
54 153.6 63.6 95.4#

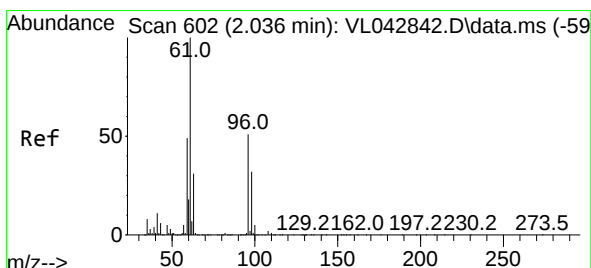
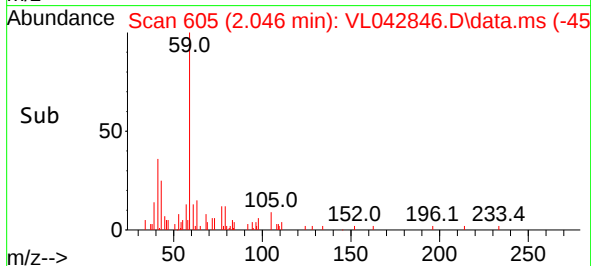
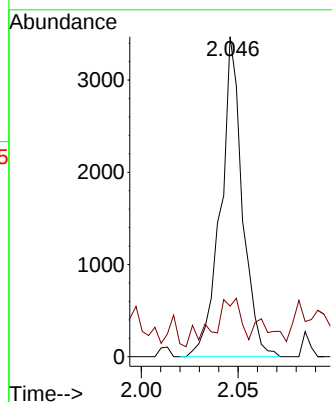
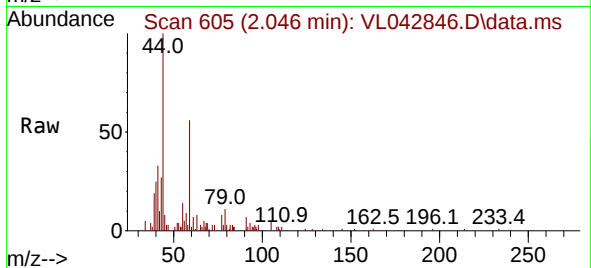




#17
tert-Butyl alcohol
Concen: 0.139 ppbv
RT: 2.046 min Scan# 604
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

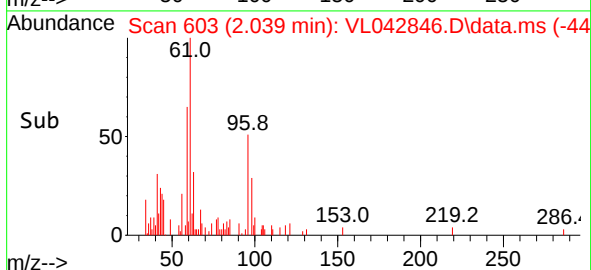
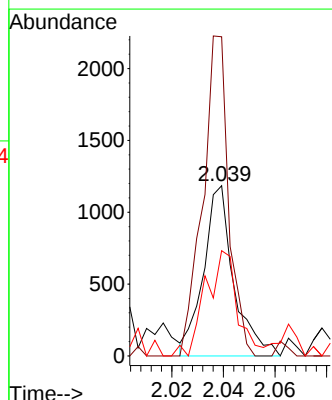
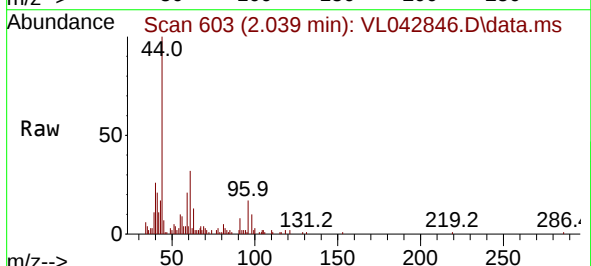
Instrument :
MSVOA_L
ClientSampleId :

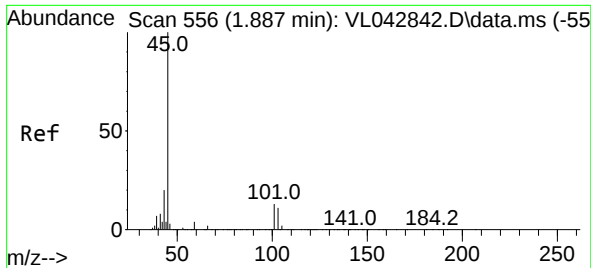
Tgt Ion: 59 Resp: 2697
Ion Ratio Lower Upper
59 100
57 24.9 9.0 13.4#



#18
1,1-Dichloroethene
Concen: 0.154 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 96 Resp: 964
Ion Ratio Lower Upper
96 100
61 187.5 158.2 237.4
98 55.6 50.6 76.0

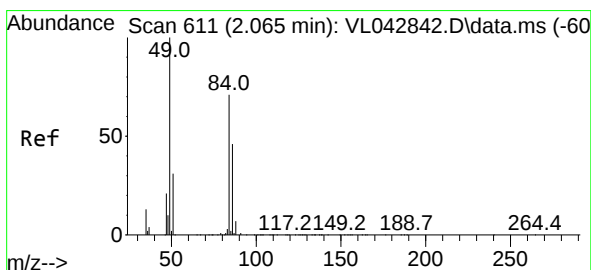
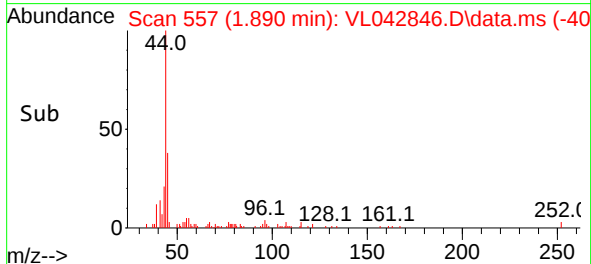
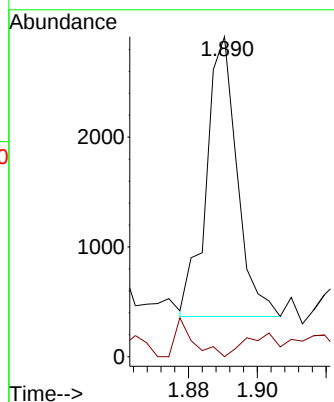
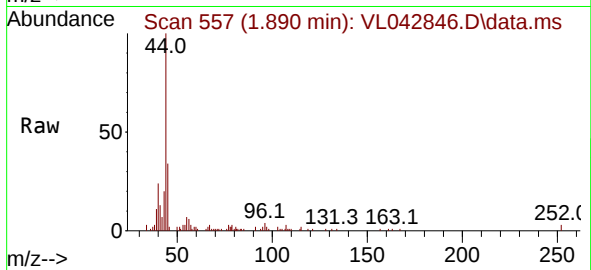




#19
Isopropyl Alcohol
Concen: 0.162 ppbv
RT: 1.890 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

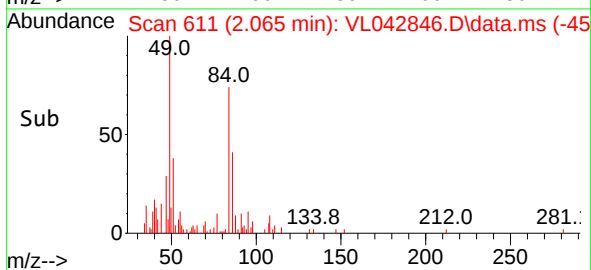
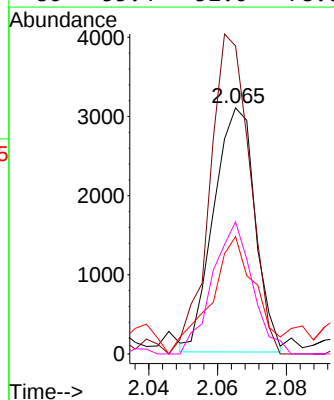
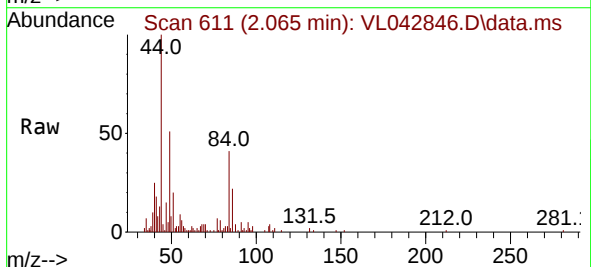
Instrument :
MSVOA_L
ClientSampleId :

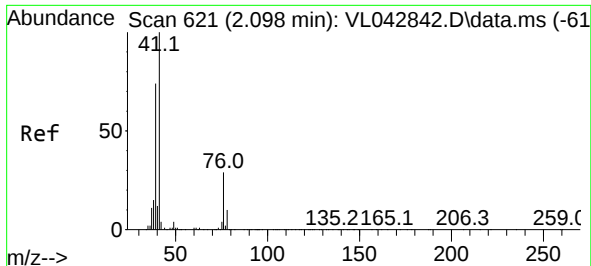
Tgt Ion: 45 Resp: 1584
Ion Ratio Lower Upper
45 100
58 26.0 32.7 49.1#



#20
Methylene Chloride
Concen: 0.376 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 84 Resp: 2577
Ion Ratio Lower Upper
84 100
49 149.4 112.3 168.5
51 42.1 36.0 54.0
86 55.4 52.0 78.0

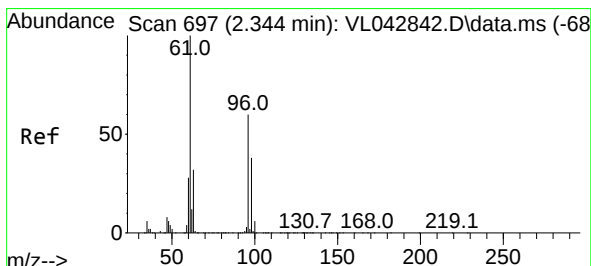
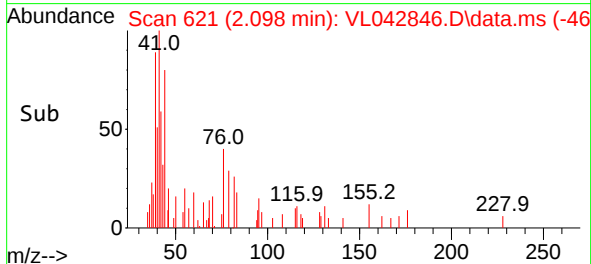
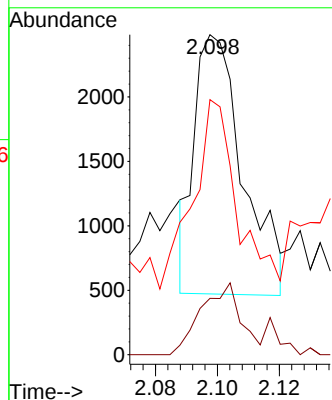
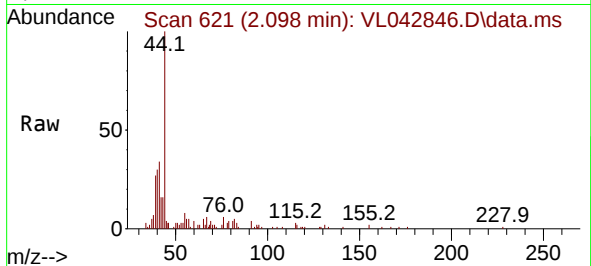




#21
 Allyl Chloride
 Concen: 0.190 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042846.D
 Acq: 13 Aug 2025 10:53

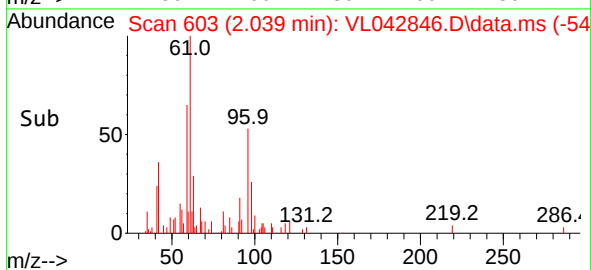
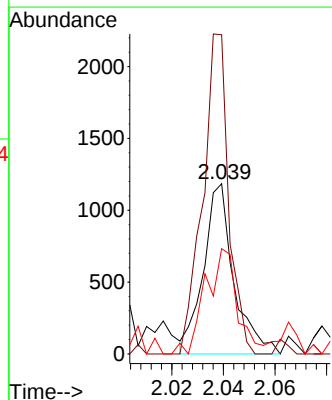
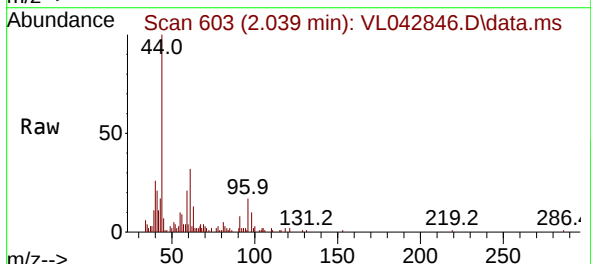
Instrument :
 MSVOA_L
 ClientSampleId :

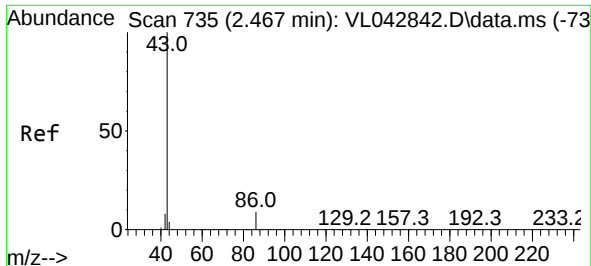
Tgt Ion: 41 Resp: 2198
 Ion Ratio Lower Upper
 41 100
 76 27.2 23.9 35.9
 39 109.1 57.8 86.6#



#22
 trans-1,2-Dichloroethene
 Concen: 0.138 ppbv
 RT: 2.039 min Scan# 603
 Delta R.T. -0.304 min
 Lab File: VL042846.D
 Acq: 13 Aug 2025 10:53

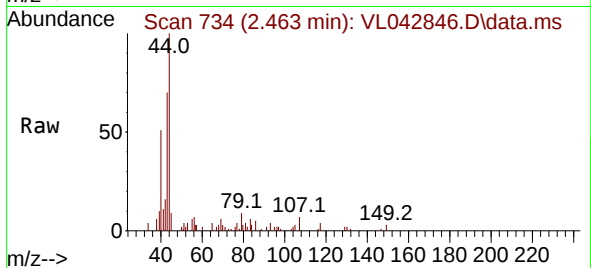
Tgt Ion: 96 Resp: 964
 Ion Ratio Lower Upper
 96 100
 61 187.5 132.6 199.0
 98 55.6 50.0 75.0



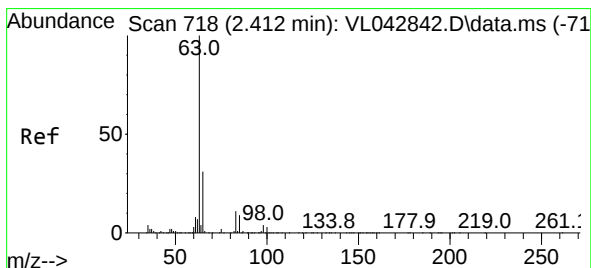
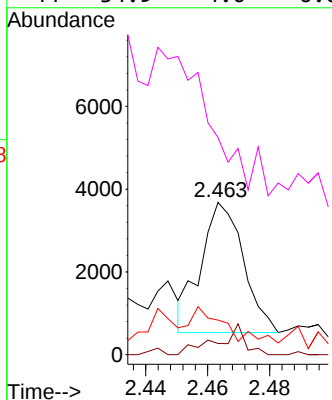
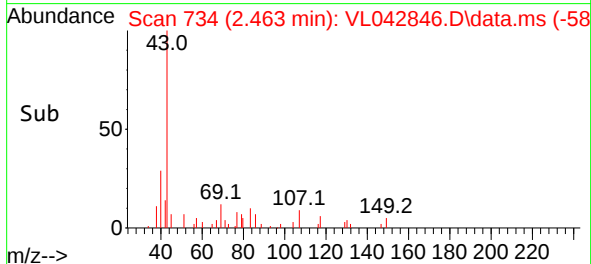


#23
 Vinyl Acetate
 Concen: 0.139 ppbv
 RT: 2.463 min Scan# 719
 Delta R.T. -0.003 min
 Lab File: VL042846.D
 Acq: 13 Aug 2025 10:53

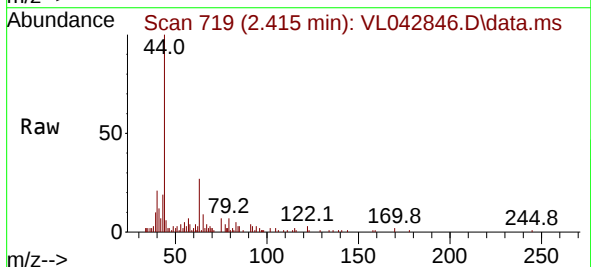
Instrument :
 MSVOA_L
 ClientSampleId :



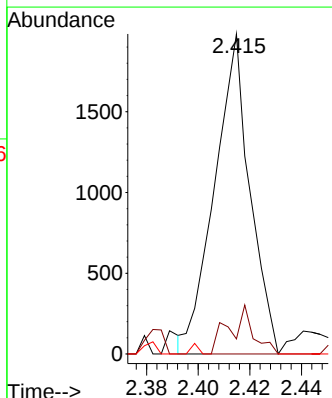
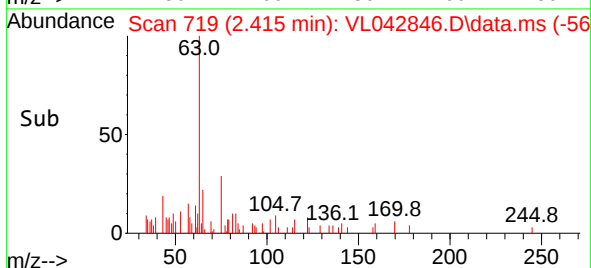
Tgt Ion: 43	Resp:	3002
Ion	Ratio	Lower Upper
43	100	
86	8.6	6.6 9.8
42	17.6	7.0 10.6#
44	34.9	4.0 6.0#



#24
 1,1-Dichloroethane
 Concen: 0.130 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL042846.D
 Acq: 13 Aug 2025 10:53



Tgt Ion: 63	Resp:	1879
Ion	Ratio	Lower Upper
63	100	
98	4.7	2.1 6.5
100	0.0	1.7 5.1#





#25

Ethyl Acetate

Concen: 0.030 ppbv

RT: 2.836 min Scan# 849

Delta R.T. -0.003 min

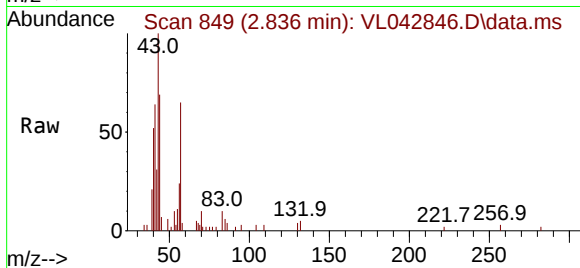
Lab File: VL042846.D

Acq: 13 Aug 2025 10:53

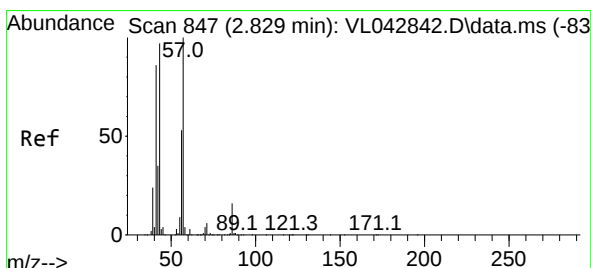
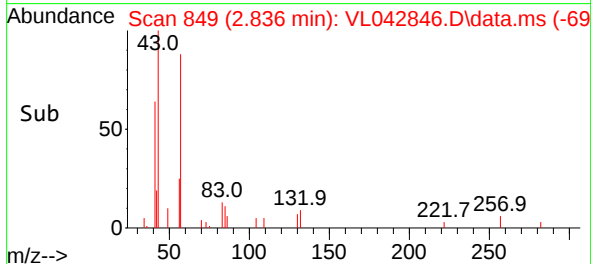
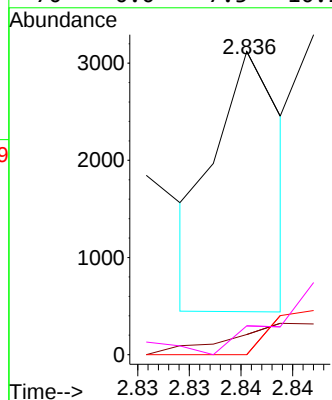
Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:	43	Resp:	1206
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.1	12.1#
61	0.0	7.4	11.2#
70	0.0	7.3	10.9#



#26

Hexane

Concen: 0.122 ppbv

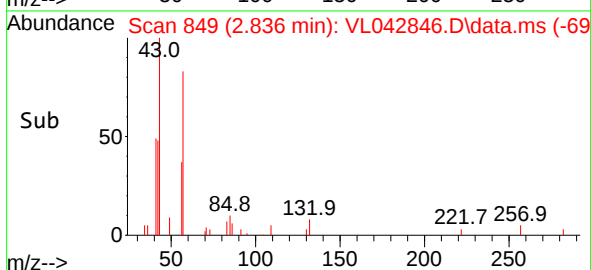
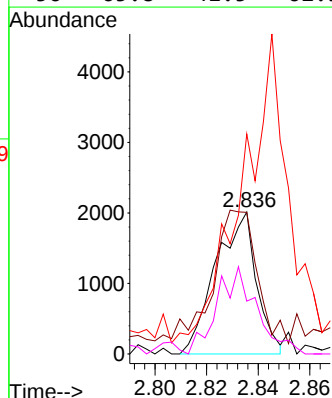
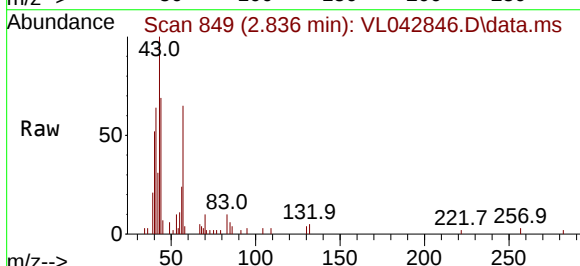
RT: 2.836 min Scan# 849

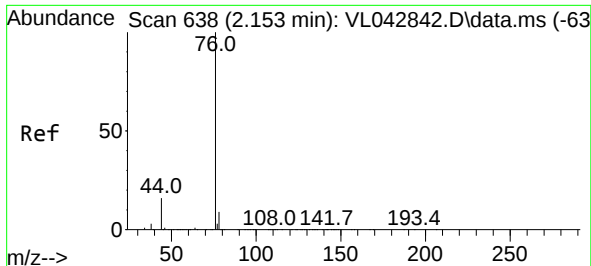
Delta R.T. 0.006 min

Lab File: VL042846.D

Acq: 13 Aug 2025 10:53

Tgt Ion:	57	Resp:	2223
Ion	Ratio	Lower	Upper
57	100		
41	133.1	68.6	103.0#
43	0.0	168.5	252.7#
56	65.8	41.5	62.3#

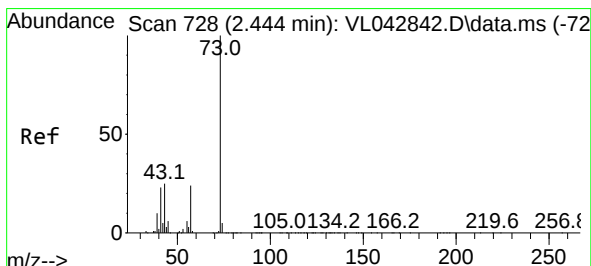
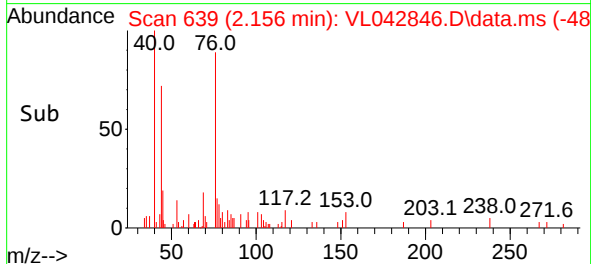
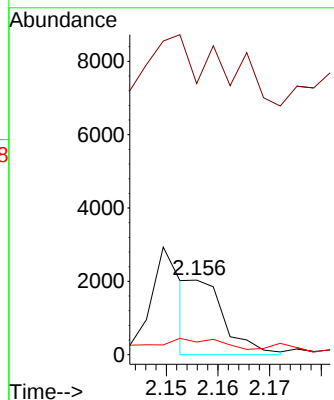
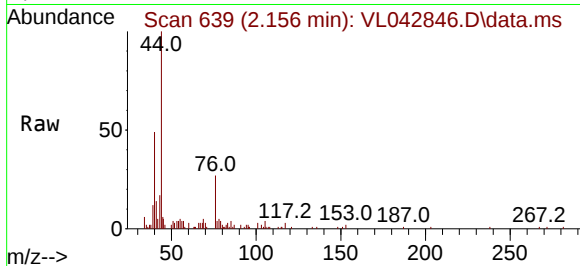




#27
Carbon Disulfide
Concen: 0.054 ppbv
RT: 2.156 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

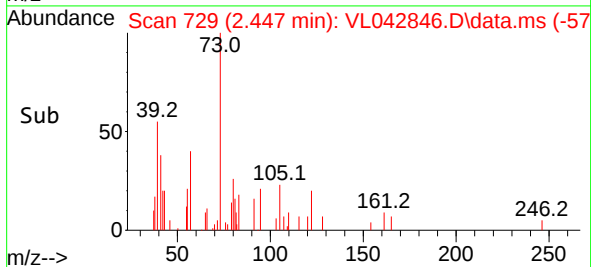
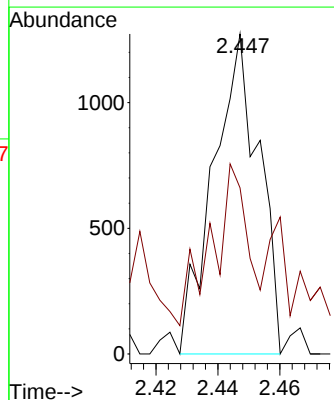
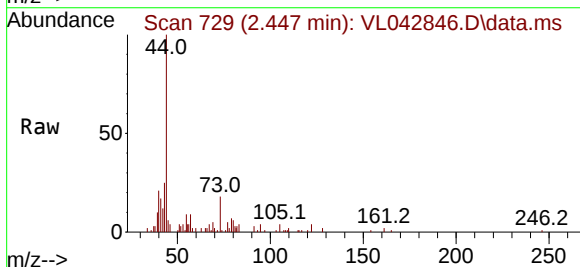
Instrument :
MSVOA_L
ClientSampleId :

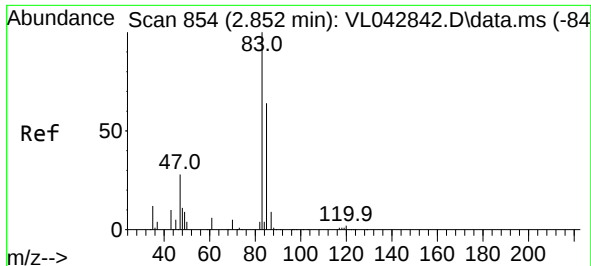
Tgt Ion: 76 Resp: 965
Ion Ratio Lower Upper
76 100
44 1802.5 15.9 23.9#
78 81.7 9.5 14.3#



#28
Methyl tert-Butyl Ether
Concen: 0.139 ppbv
RT: 2.447 min Scan# 729
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 73 Resp: 1300
Ion Ratio Lower Upper
73 100
57 84.2 21.6 32.4#





#29

Chloroform

Concen: 0.113 ppbv

RT: 2.855 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL042846.D

Acq: 13 Aug 2025 10:53

Instrument :

MSVOA_L

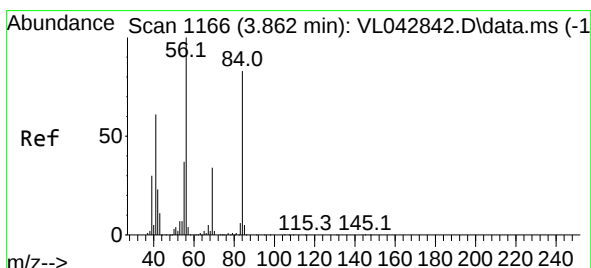
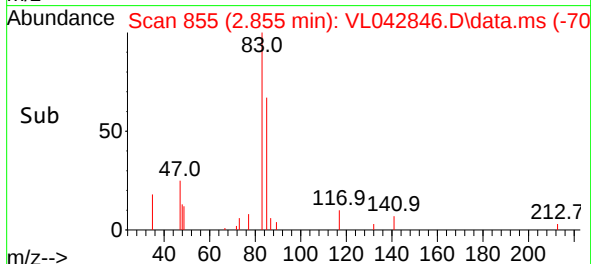
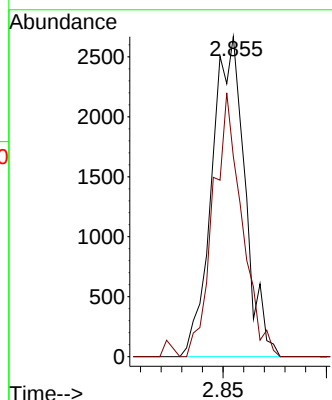
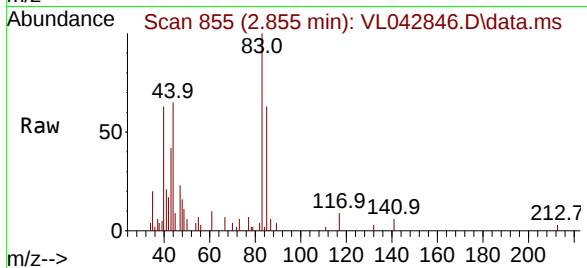
ClientSampleId :

Tgt Ion: 83 Resp: 2962

Ion Ratio Lower Upper

83 100

85 62.6 51.1 76.7



#30

Cyclohexane

Concen: 0.052 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.003 min

Lab File: VL042846.D

Acq: 13 Aug 2025 10:53

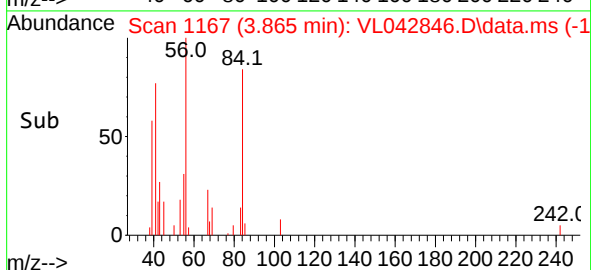
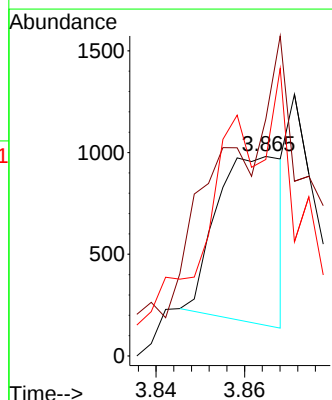
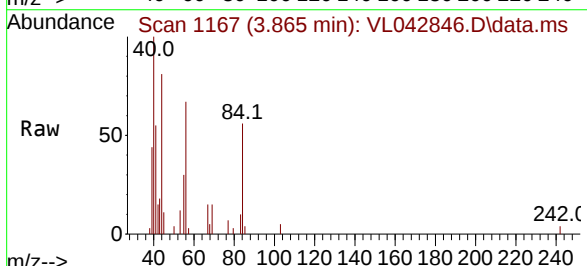
Tgt Ion: 84 Resp: 835

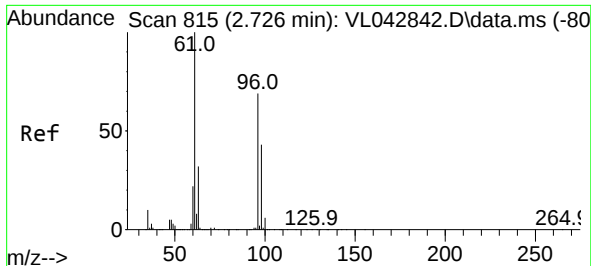
Ion Ratio Lower Upper

84 100

56 0.0 98.8 148.2#

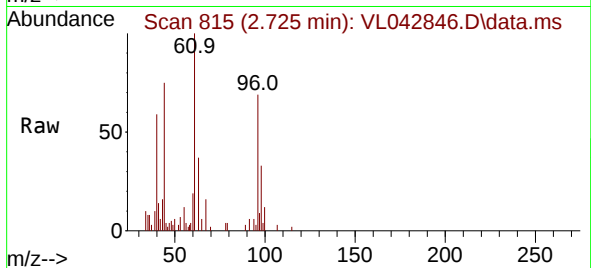
41 0.0 61.3 91.9#



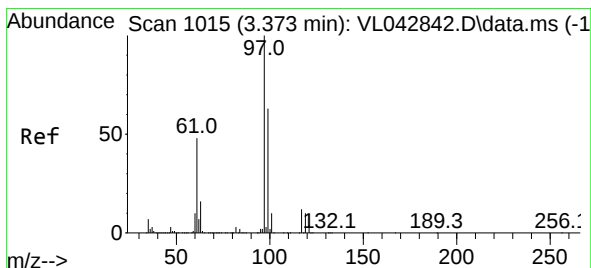
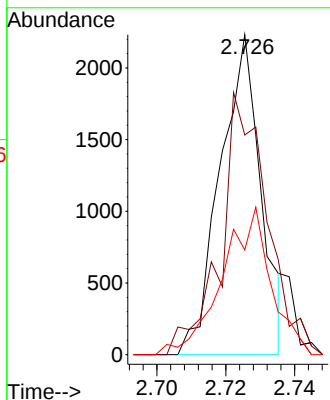
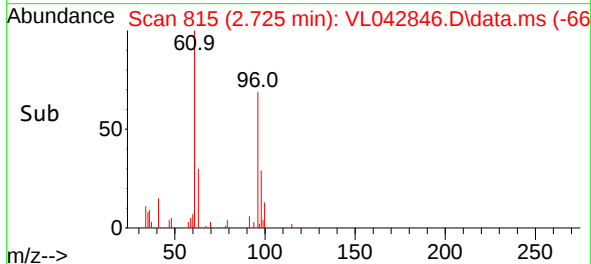


#31
 cis-1,2-Dichloroethene
 Concen: 0.101 ppbv
 RT: 2.725 min Scan# 815
 Delta R.T. -0.000 min
 Lab File: VL042846.D
 Acq: 13 Aug 2025 10:53

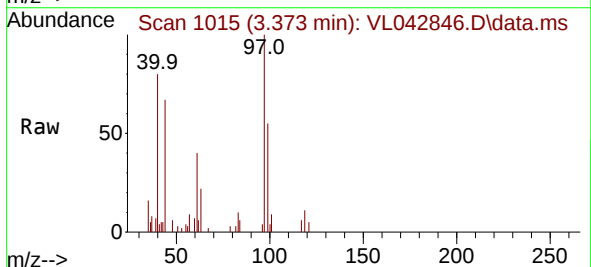
Instrument :
 MSVOA_L
 ClientSampleId :



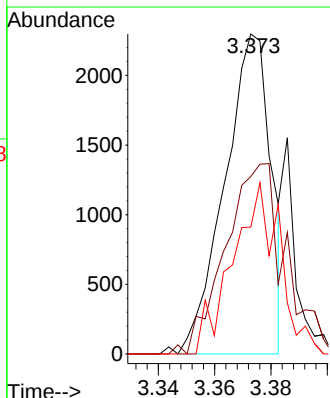
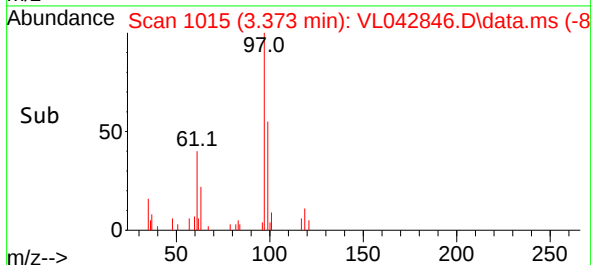
Tgt Ion: 61 Resp: 1839
 Ion Ratio Lower Upper
 61 100
 96 60.0 55.0 82.6
 98 30.3 34.3 51.5#

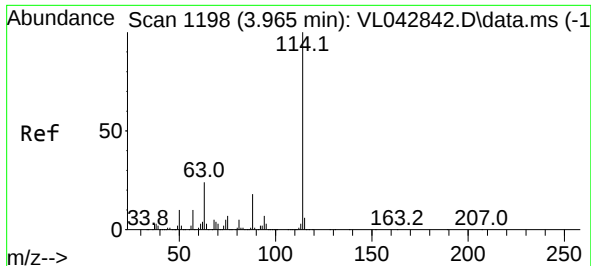


#32
 1,1,1-Trichloroethane
 Concen: 0.095 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. -0.000 min
 Lab File: VL042846.D
 Acq: 13 Aug 2025 10:53



Tgt Ion: 97 Resp: 2627
 Ion Ratio Lower Upper
 97 100
 99 76.4 51.0 76.6
 61 54.3 38.0 57.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.003 min

Lab File: VL042846.D

Acq: 13 Aug 2025 10:53

Instrument :

MSVOA_L

ClientSampleId :

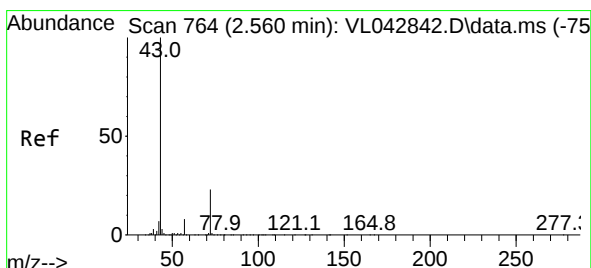
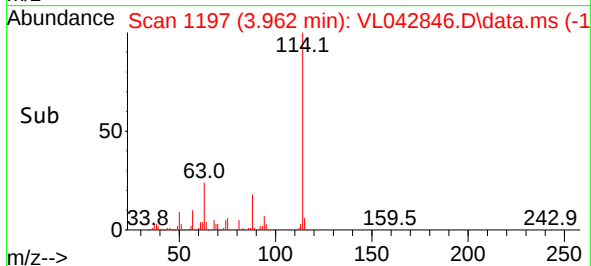
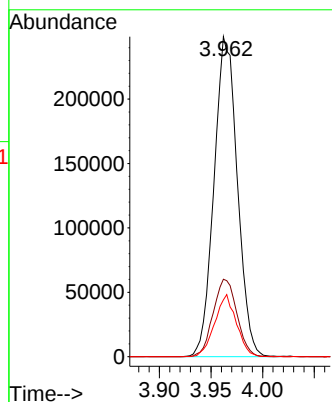
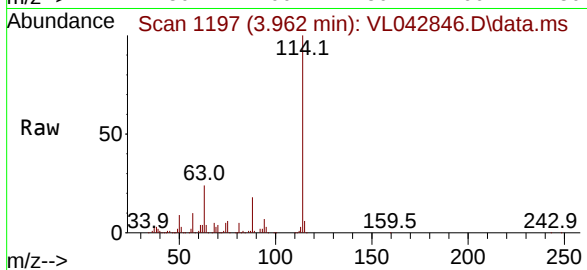
Tgt Ion:114 Resp: 390520

Ion Ratio Lower Upper

114 100

63 24.6 19.7 29.5

88 18.1 14.4 21.6



#34

2-Butanone

Concen: 0.113 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.003 min

Lab File: VL042846.D

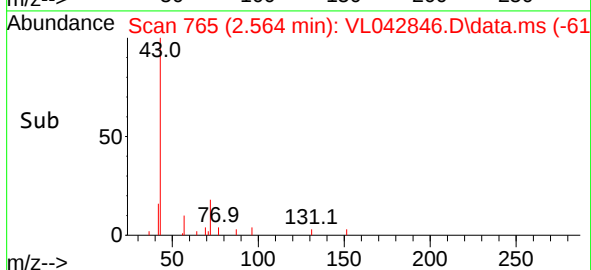
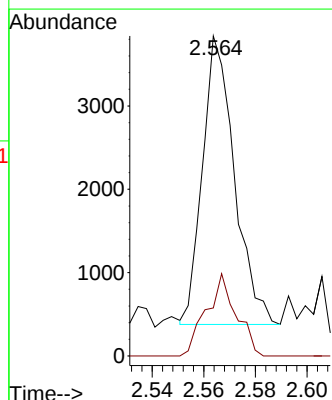
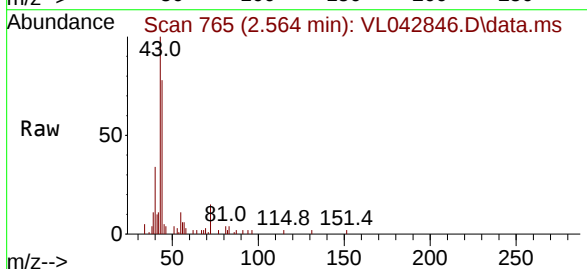
Acq: 13 Aug 2025 10:53

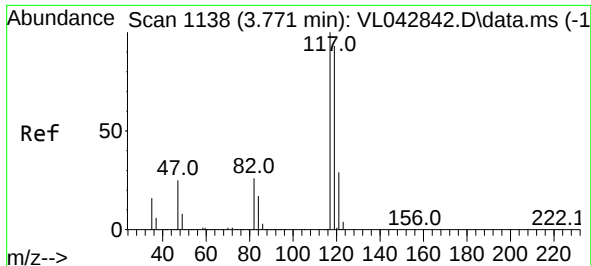
Tgt Ion: 43 Resp: 2970

Ion Ratio Lower Upper

43 100

72 26.7 18.6 28.0

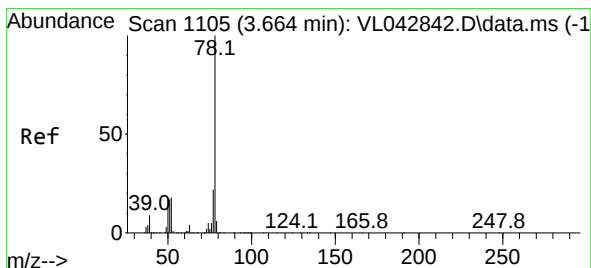
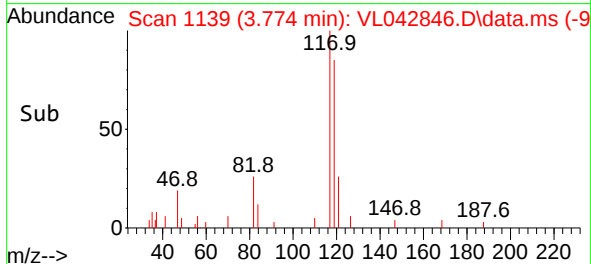
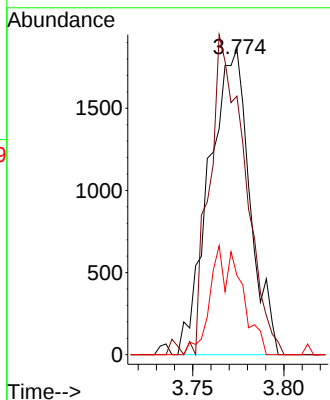
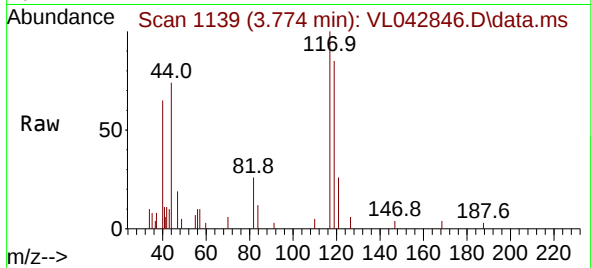




#35
Carbon Tetrachloride
Concen: 0.107 ppbv
RT: 3.774 min Scan# 1138
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

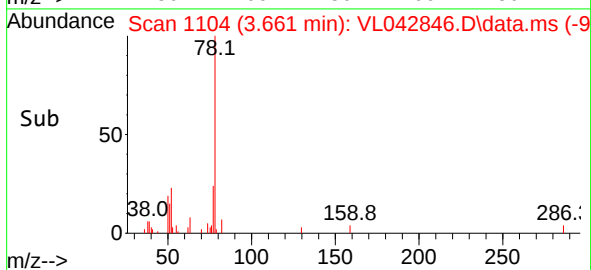
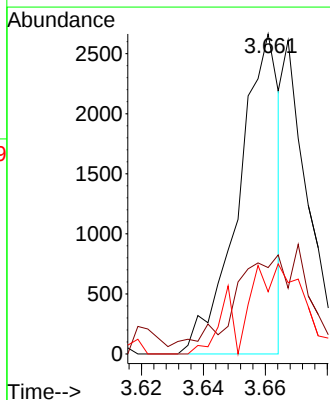
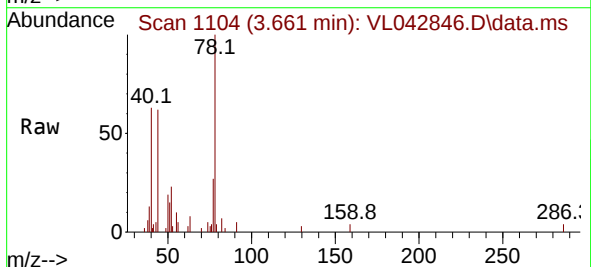
Instrument :
MSVOA_L
ClientSampleId :

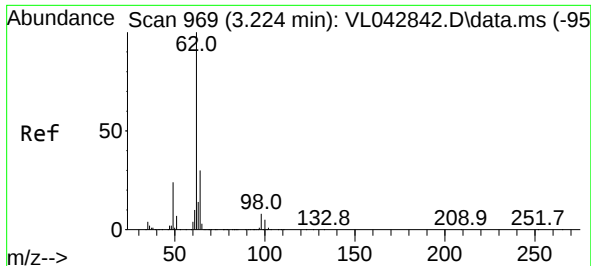
Tgt Ion:117 Resp: 2883
Ion Ratio Lower Upper
117 100
119 81.8 74.7 112.1
121 25.9 23.2 34.8



#36
Benzene
Concen: 0.065 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 78 Resp: 2430
Ion Ratio Lower Upper
78 100
77 23.1 17.7 26.5
50 19.4 13.9 20.9

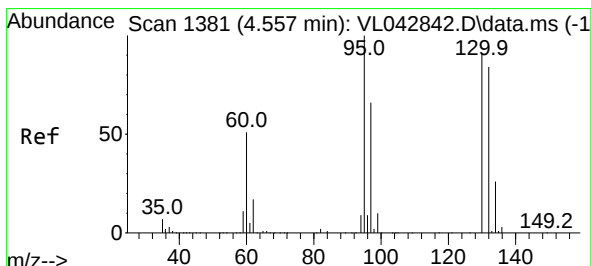
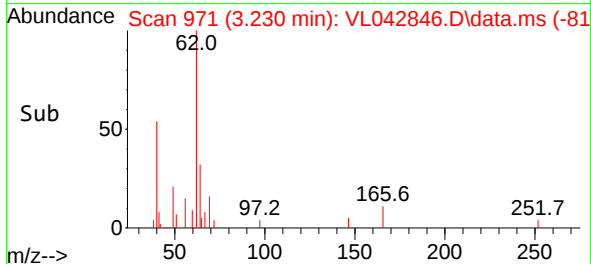
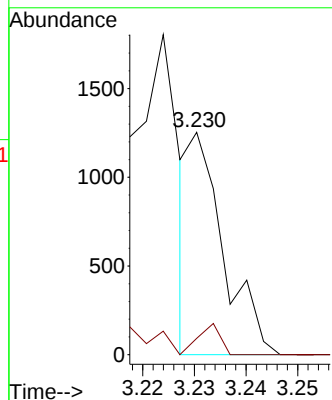
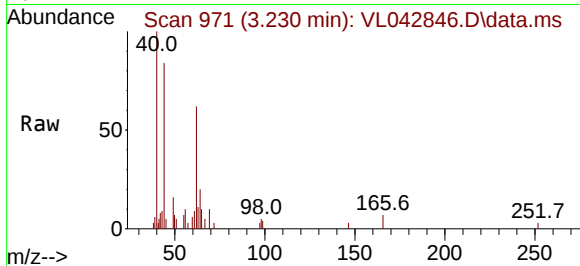




#37
1,2-Dichloroethane
Concen: 0.029 ppbv
RT: 3.230 min Scan# 91
Delta R.T. 0.006 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

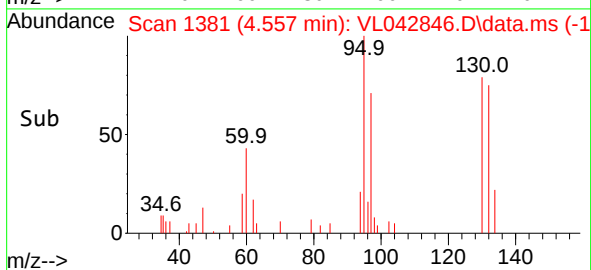
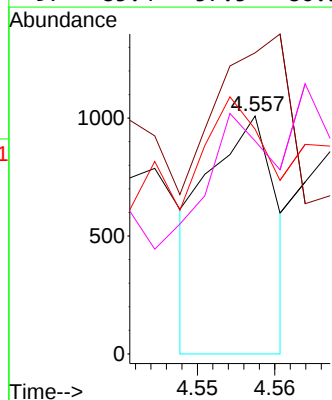
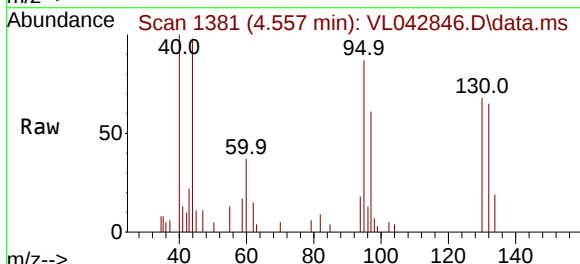
Instrument :
MSVOA_L
ClientSampleId :

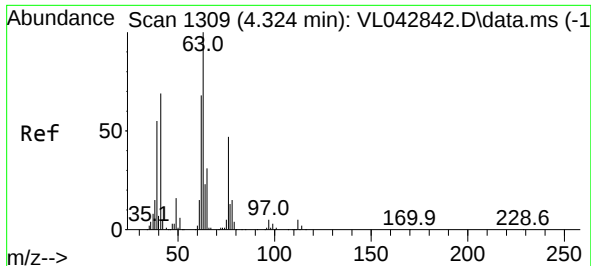
Tgt Ion: 62 Resp: 576
Ion Ratio Lower Upper
62 100
98 25.9 5.9 8.9#



#38
Trichloroethene
Concen: 0.037 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion:130 Resp: 624
Ion Ratio Lower Upper
130 100
95 145.9 87.6 131.4#
132 83.5 73.8 110.8
97 85.4 57.5 86.3





#39

1,2-Dichloropropane

Concen: 7.036 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.363 min

Lab File: VL042846.D

Acq: 13 Aug 2025 10:53

Instrument :

MSVOA_L

ClientSampleId :

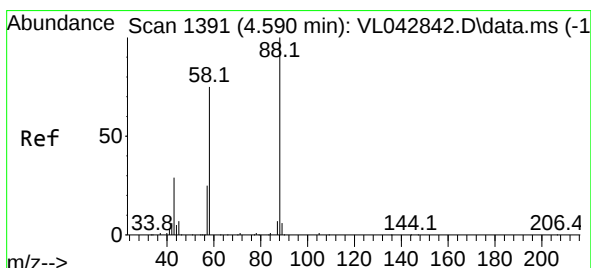
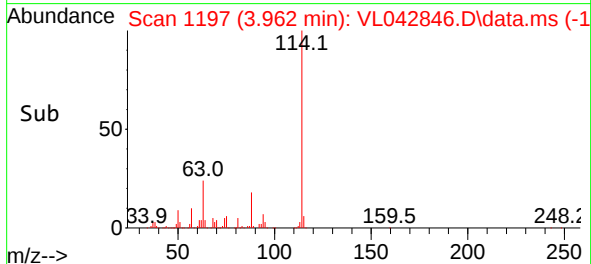
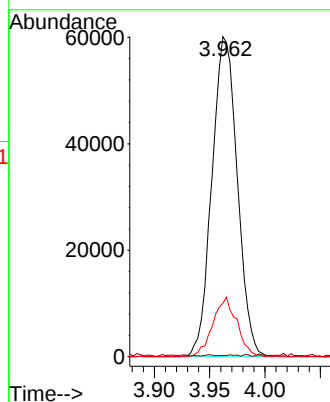
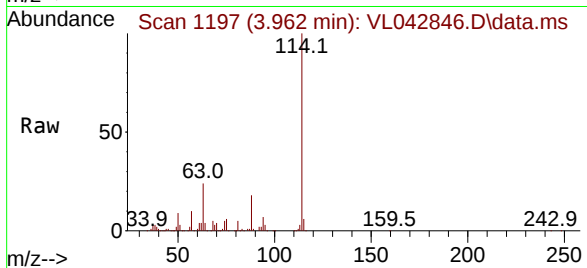
Tgt Ion: 63 Resp: 96098

Ion Ratio Lower Upper

63 100

41 0.0 55.0 82.4#

62 16.7 54.4 81.6#



#40

1,4-Dioxane

Concen: 0.108 ppbv

RT: 4.625 min Scan# 1402

Delta R.T. 0.036 min

Lab File: VL042846.D

Acq: 13 Aug 2025 10:53

Tgt Ion: 88 Resp: 693

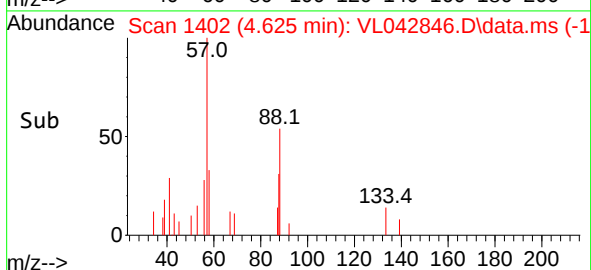
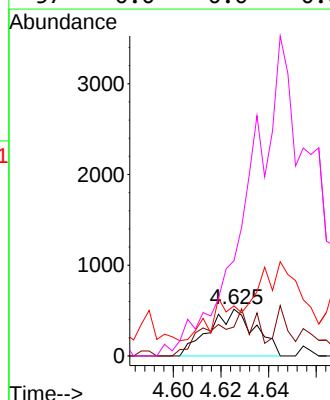
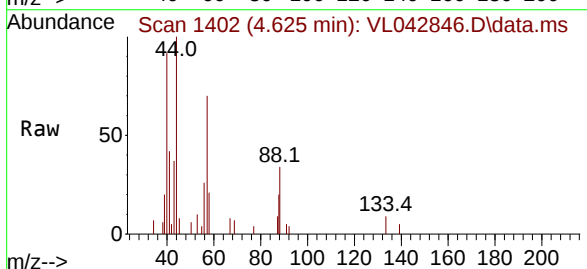
Ion Ratio Lower Upper

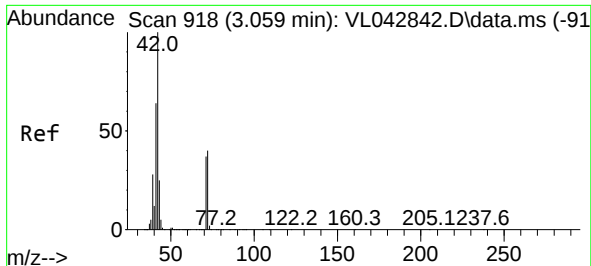
88 100

58 0.0 53.8 80.6#

43 71.0 22.8 34.2#

57 0.0 0.0 0.0

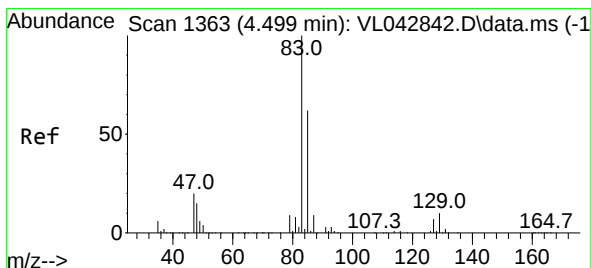
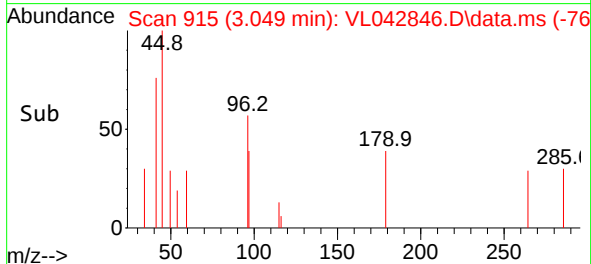
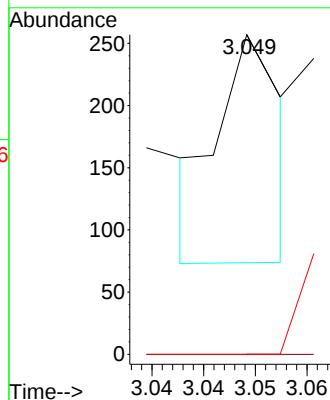
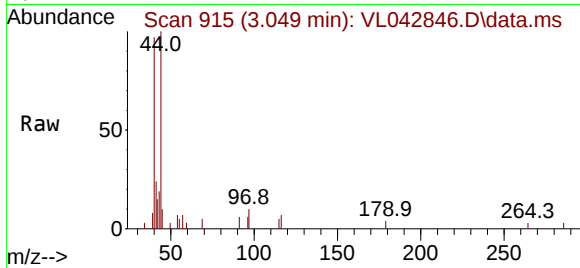




#41
Tetrahydrofuran
Concen: 0.005 ppbv
RT: 3.049 min Scan# 918
Delta R.T. -0.010 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

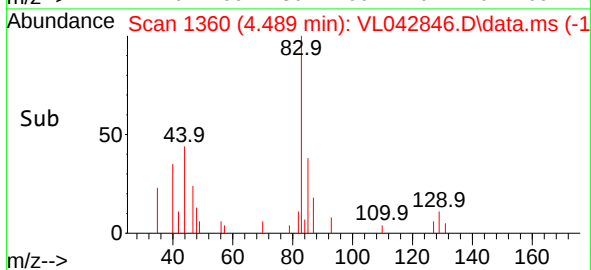
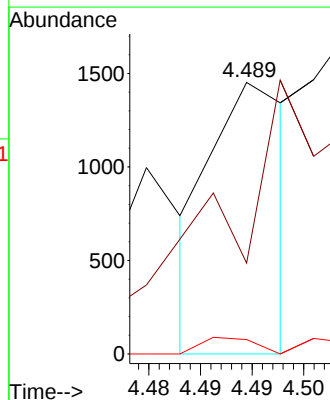
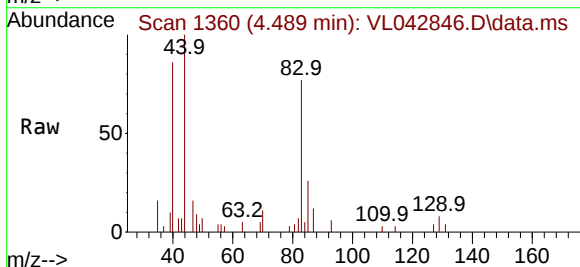
Instrument :
MSVOA_L
ClientSampleId :

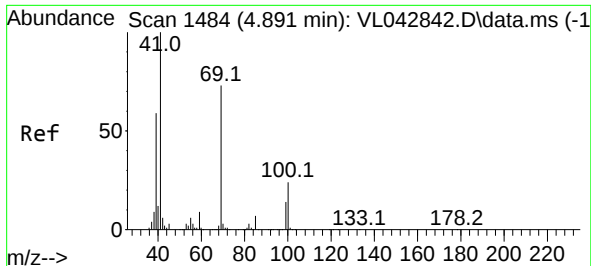
Tgt Ion: 42 Resp: 78
Ion Ratio Lower Upper
42 100
72 0.0 32.6 48.8#
71 0.0 30.0 45.0#



#42
Bromodichloromethane
Concen: 0.026 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. -0.010 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 83 Resp: 756
Ion Ratio Lower Upper
83 100
85 0.0 49.8 74.8#
127 10.8 5.8 8.6#

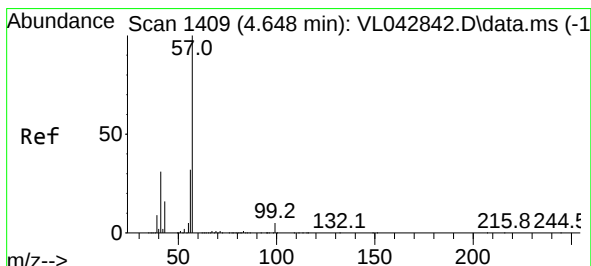
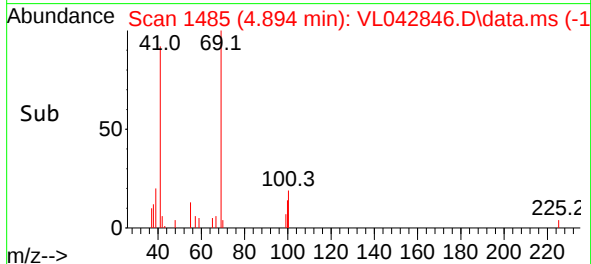
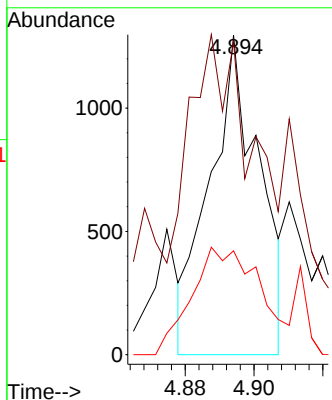
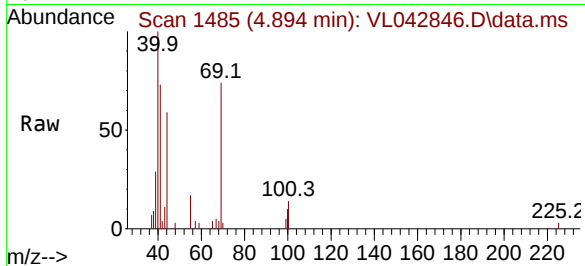




#43
Methyl Methacrylate
Concen: 0.084 ppbv
RT: 4.894 min Scan# 1485
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

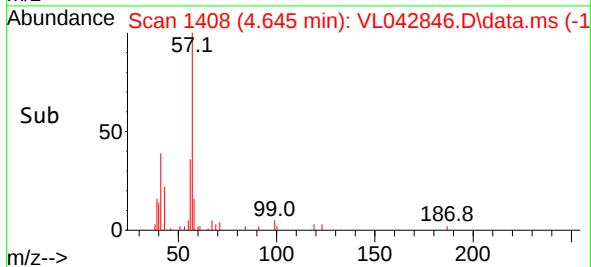
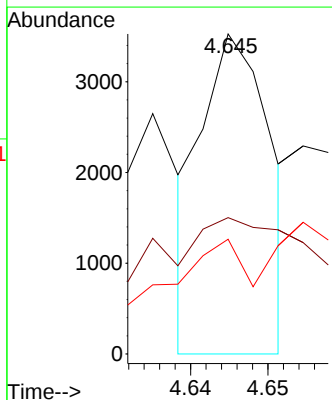
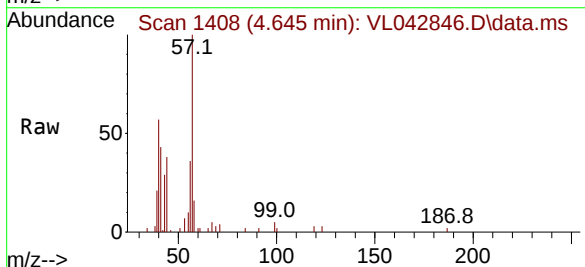
Instrument :
MSVOA_L
ClientSampleId :

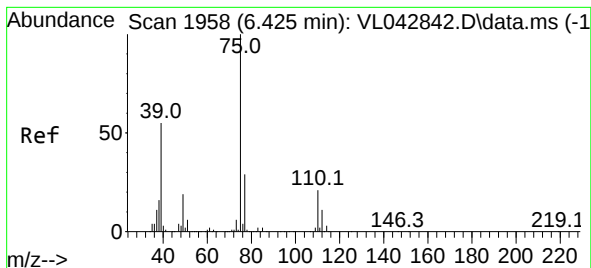
Tgt Ion: 69 Resp: 1289
Ion Ratio Lower Upper
69 100
41 194.8 114.6 172.0#
100 55.2 30.2 45.4#



#44
2,2,4-Trimethylpentane
Concen: 0.035 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. -0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 57 Resp: 2178
Ion Ratio Lower Upper
57 100
41 145.1 24.8 37.2#
56 0.0 25.5 38.3#





#45

t-1,3-Dichloropropene

Concen: 0.028 ppbv

RT: 6.415 min Scan# 1955

Delta R.T. -0.010 min

Lab File: VL042846.D

Acq: 13 Aug 2025 10:53

Instrument :

MSVOA_L

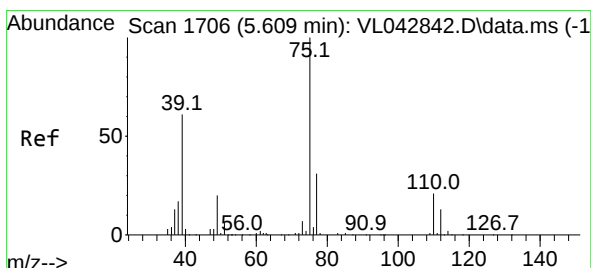
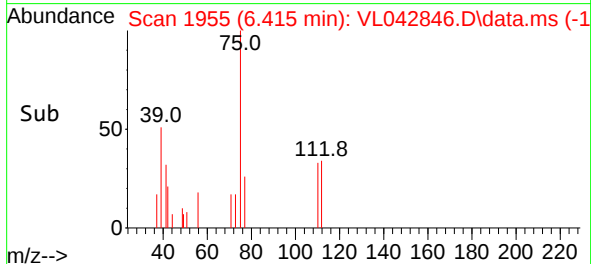
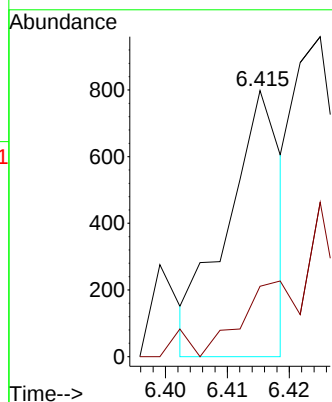
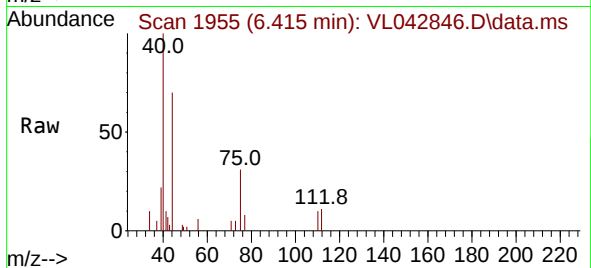
ClientSampleId :

Tgt Ion: 75 Resp: 486

Ion Ratio Lower Upper

75 100

77 26.4 23.8 35.6



#46

cis-1,3-Dichloropropene

Concen: 0.067 ppbv

RT: 5.609 min Scan# 1706

Delta R.T. -0.000 min

Lab File: VL042846.D

Acq: 13 Aug 2025 10:53

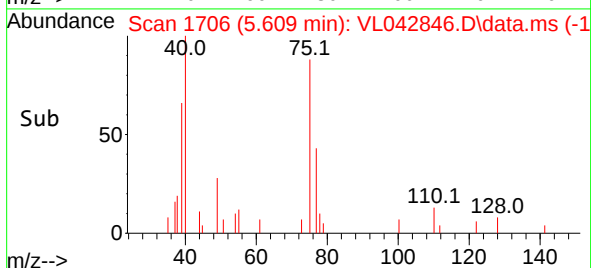
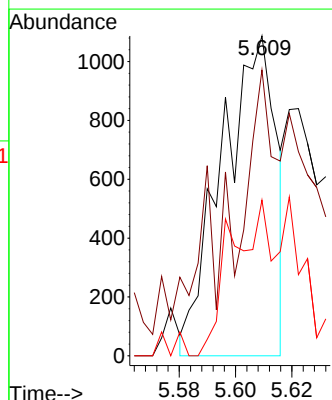
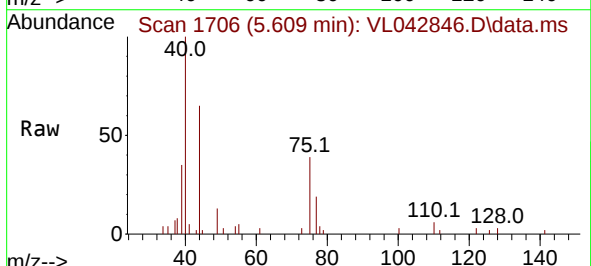
Tgt Ion: 75 Resp: 1454

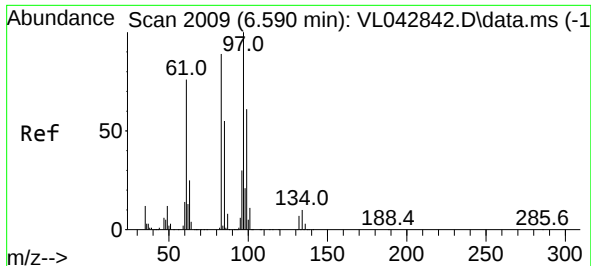
Ion Ratio Lower Upper

75 100

39 69.2 48.9 73.3

77 44.1 24.9 37.3#





#47

1,1,2-Trichloroethane

Concen: 0.018 ppbv

RT: 6.580 min Scan# 2009

Delta R.T. -0.010 min

Lab File: VL042846.D

Acq: 13 Aug 2025 10:53

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 260

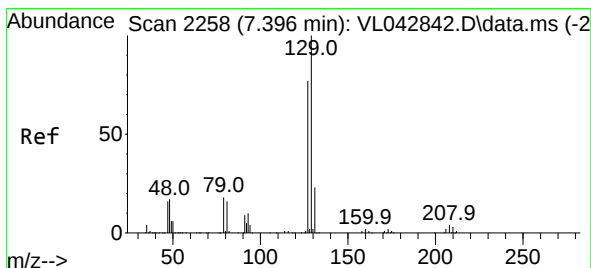
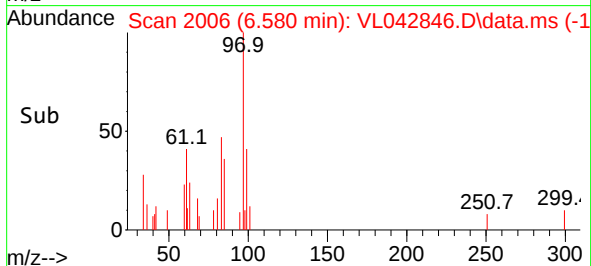
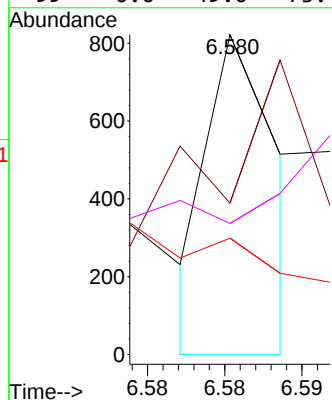
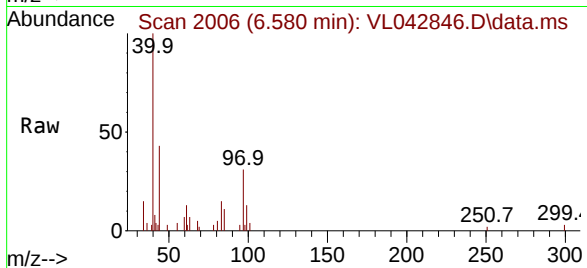
Ion Ratio Lower Upper

97 100

83 0.0 71.0 106.4#

85 15.2 43.6 65.4#

99 0.0 49.0 73.4#



#48

Dibromochloromethane

Concen: 0.088 ppbv

RT: 7.399 min Scan# 2259

Delta R.T. 0.003 min

Lab File: VL042846.D

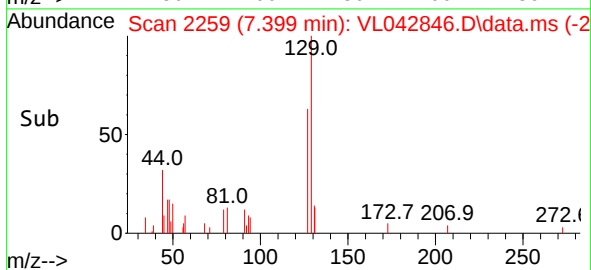
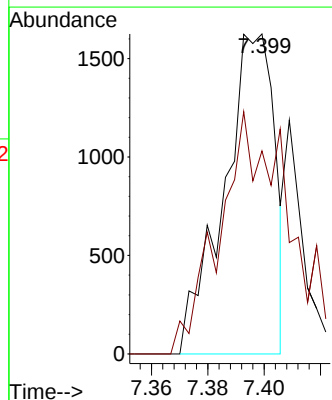
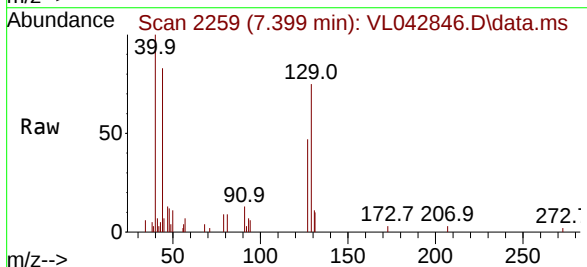
Acq: 13 Aug 2025 10:53

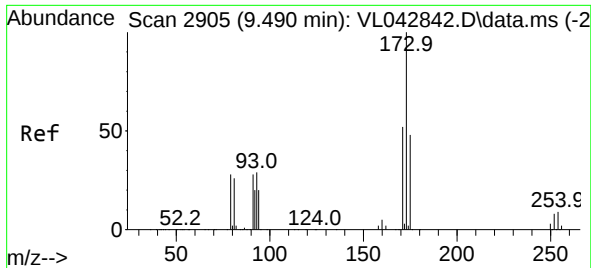
Tgt Ion: 129 Resp: 2052

Ion Ratio Lower Upper

129 100

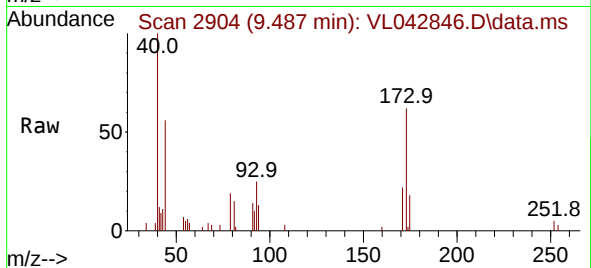
127 101.4 39.4 118.2



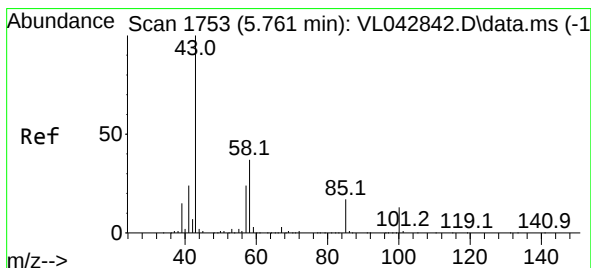
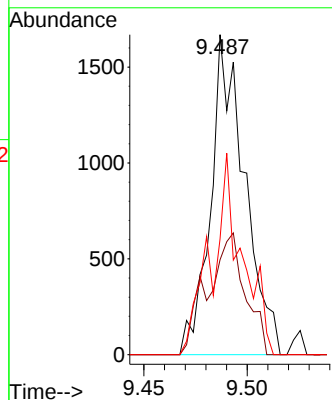
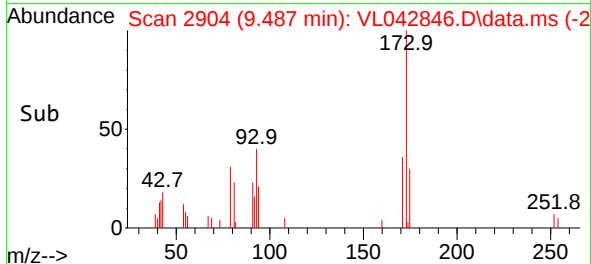


#49
Bromoform
Concen: 0.099 ppbv
RT: 9.487 min Scan# 2905
Delta R.T. -0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :

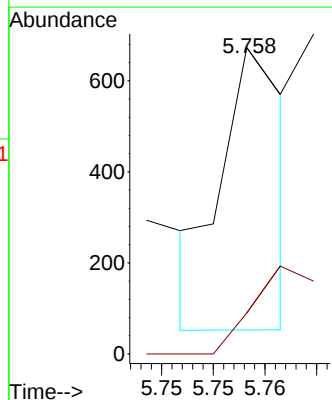
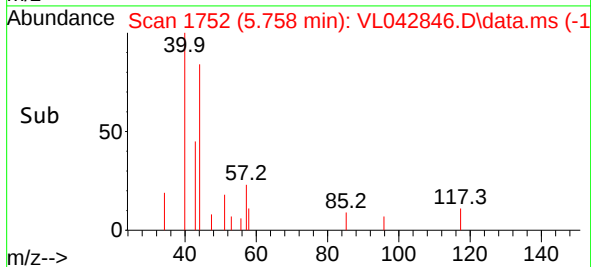
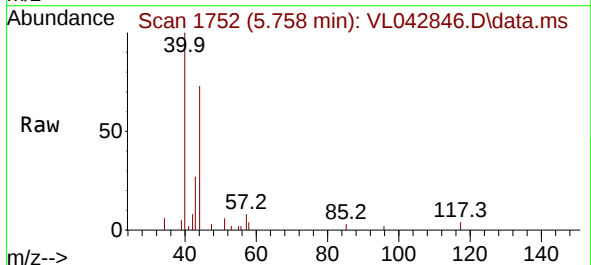


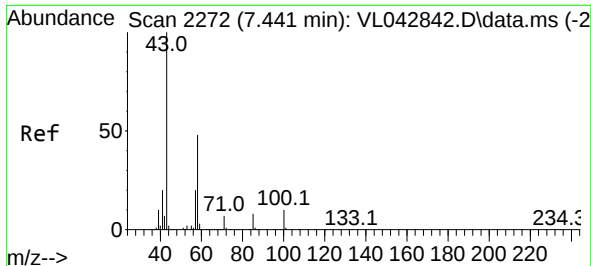
Tgt Ion:173 Resp: 1909
Ion Ratio Lower Upper
173 100
175 42.4 39.2 58.8
171 57.5 41.3 61.9



#50
4-Methyl-2-Pentanone
Concen: 0.007 ppbv
RT: 5.758 min Scan# 1752
Delta R.T. -0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 43 Resp: 266
Ion Ratio Lower Upper
43 100
58 0.0 29.8 44.8#

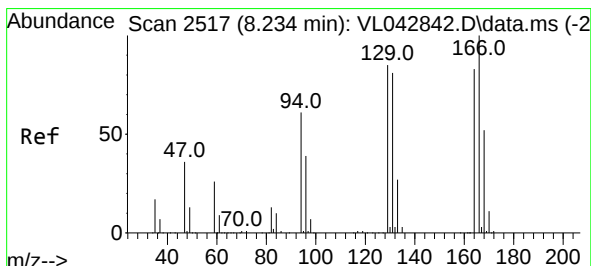
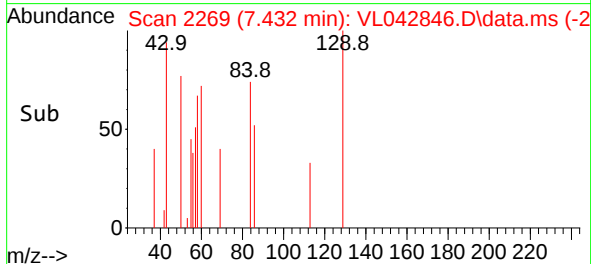
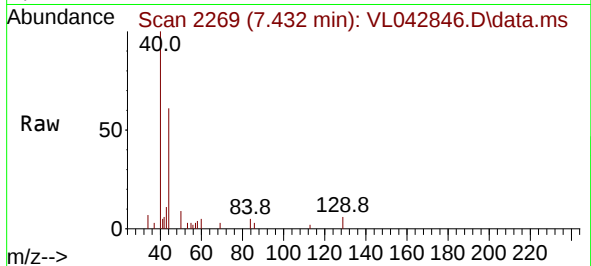




#51
2-Hexanone
Concen: 0.002 ppbv
RT: 7.432 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

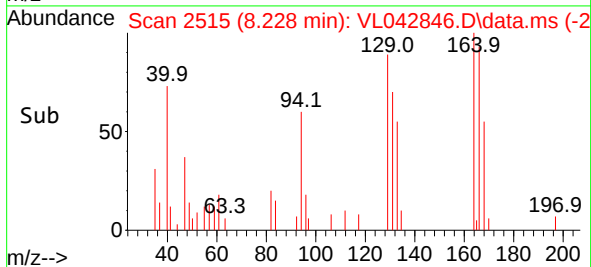
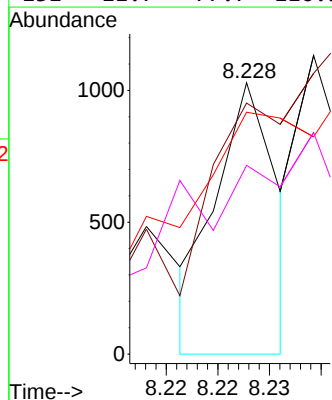
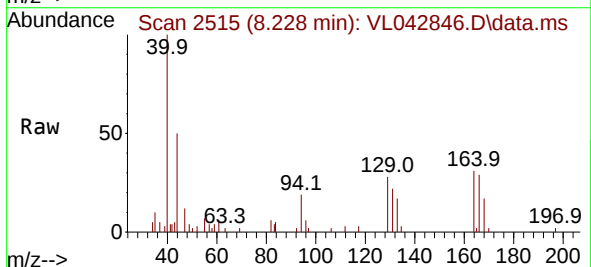
Instrument :
MSVOA_L
ClientSampleId :

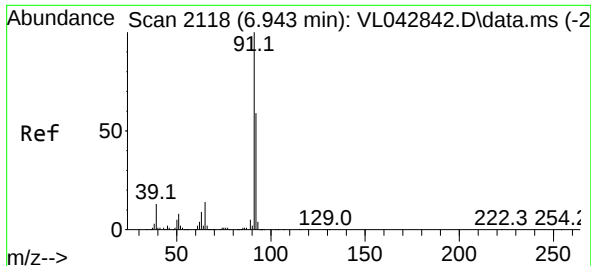
Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
58 0.0 41.0 61.6#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.031 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. -0.007 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 164 Resp: 425
Ion Ratio Lower Upper
164 100
166 104.7 96.5 144.7
129 62.6 81.8 122.6#
131 11.7 77.7 116.5#

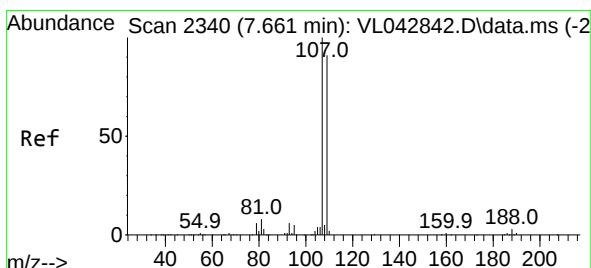
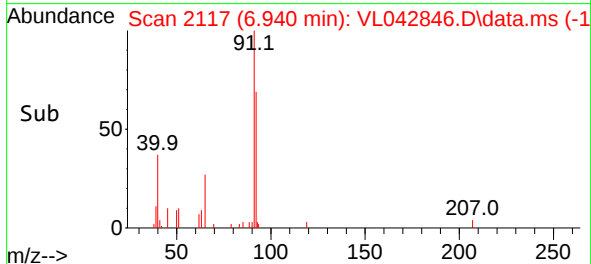
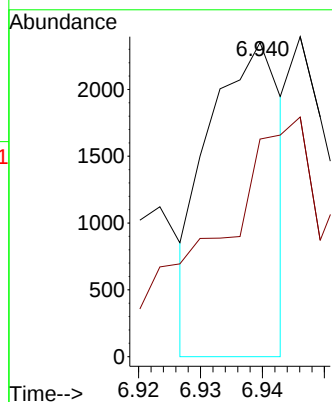
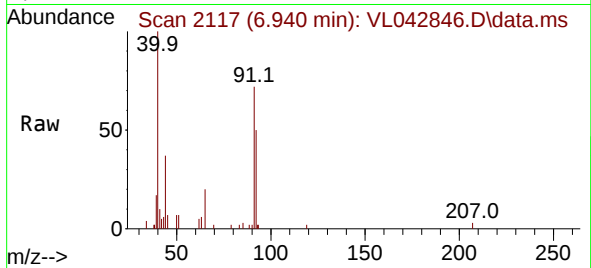




#53
Toluene
Concen: 0.043 ppbv
RT: 6.940 min Scan# 2118
Delta R.T. -0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

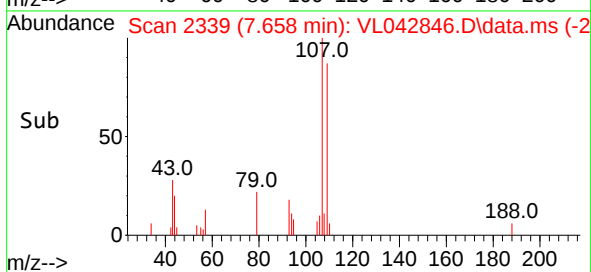
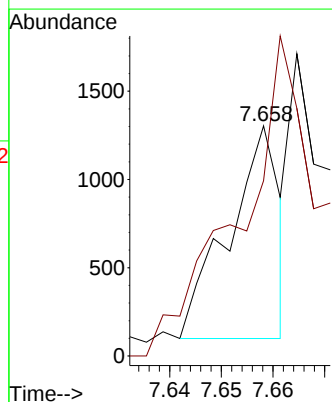
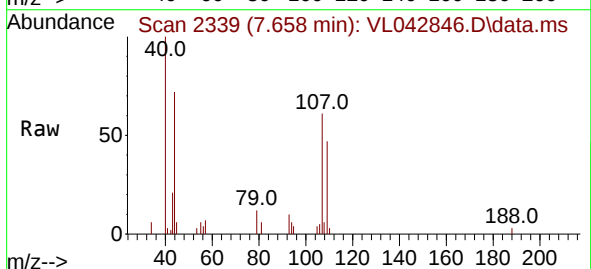
Instrument :
MSVOA_L
ClientSampleId :

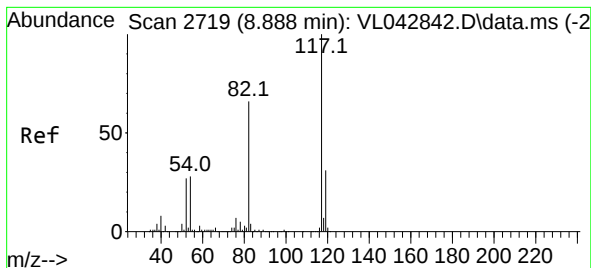
Tgt Ion: 91 Resp: 1918
Ion Ratio Lower Upper
91 100
92 0.0 47.8 71.6#



#54
1,2-Dibromoethane
Concen: 0.039 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. -0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 107 Resp: 828
Ion Ratio Lower Upper
107 100
109 63.7 72.5 108.7#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2719

Delta R.T. -0.000 min

Lab File: VL042846.D

Acq: 13 Aug 2025 10:53

Instrument :

MSVOA_L

ClientSampleId :

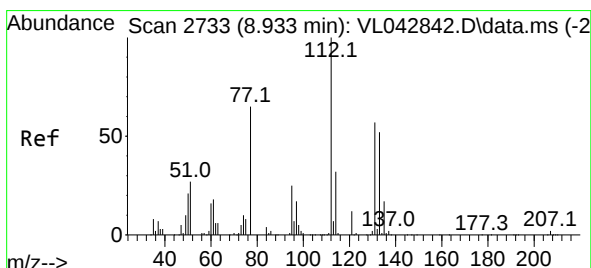
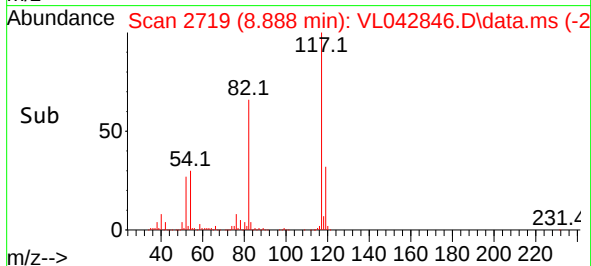
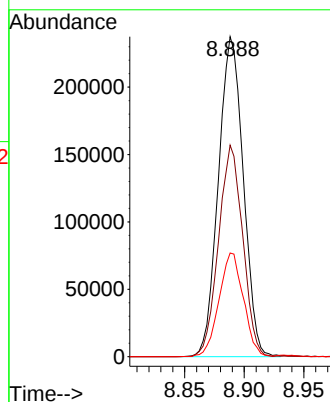
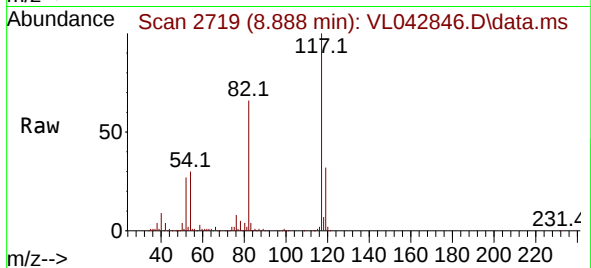
Tgt Ion:117 Resp: 345073

Ion Ratio Lower Upper

117 100

82 64.3 54.6 81.8

119 32.2 25.9 38.9



#56

1,1,1,2-Tetrachloroethane

Concen: 0.032 ppbv

RT: 8.937 min Scan# 2734

Delta R.T. 0.003 min

Lab File: VL042846.D

Acq: 13 Aug 2025 10:53

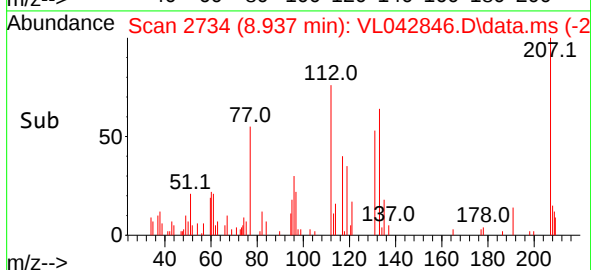
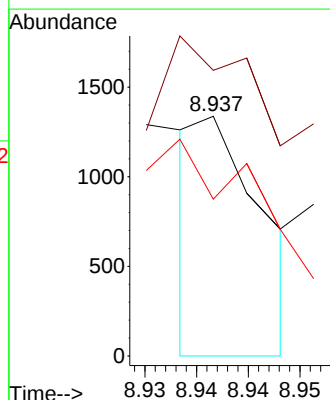
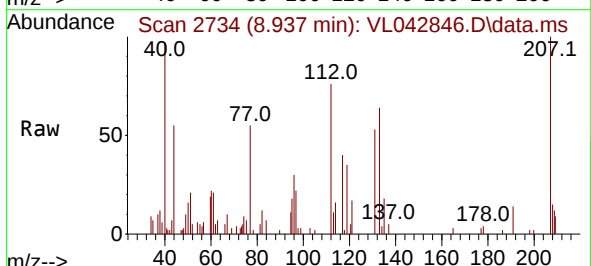
Tgt Ion:131 Resp: 573

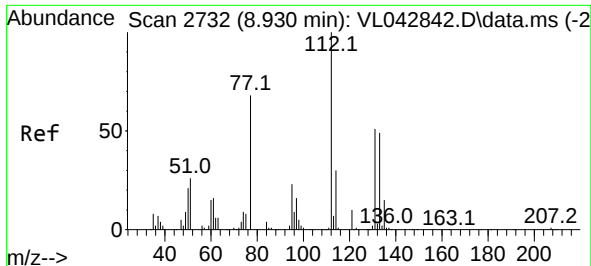
Ion Ratio Lower Upper

131 100

133 500.2 77.4 116.0#

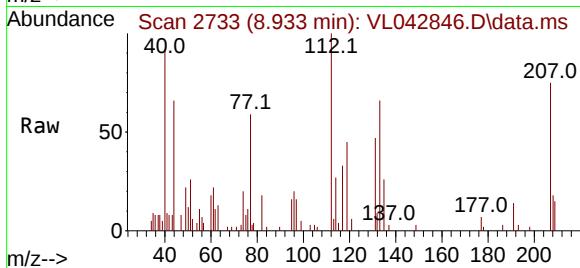
119 0.0 51.2 76.8#



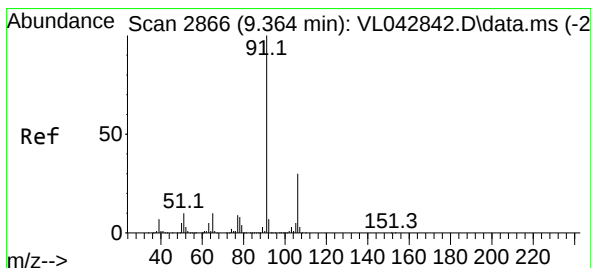
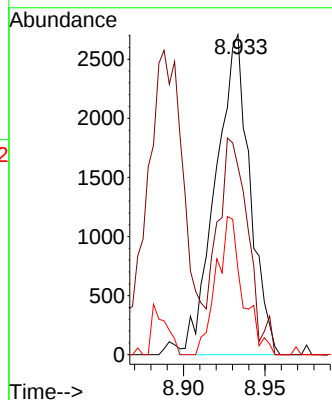
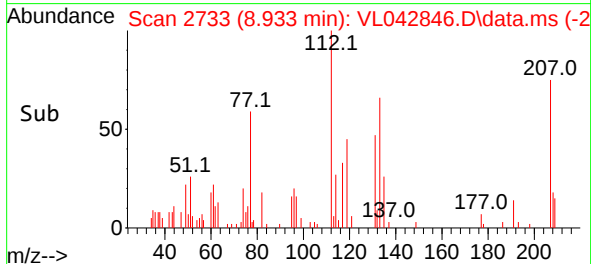


#57
Chlorobenzene
Concen: 0.120 ppbv
RT: 8.933 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :

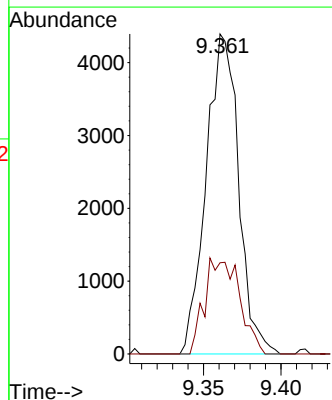
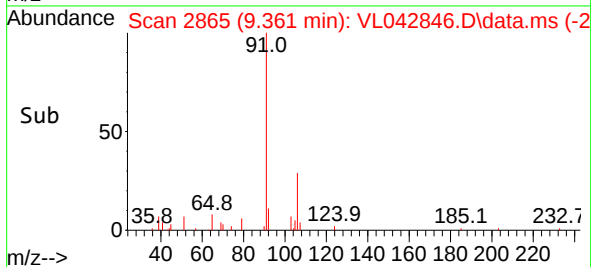
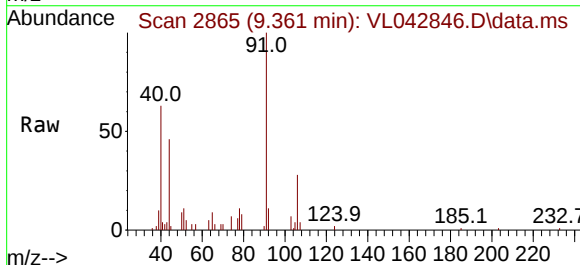


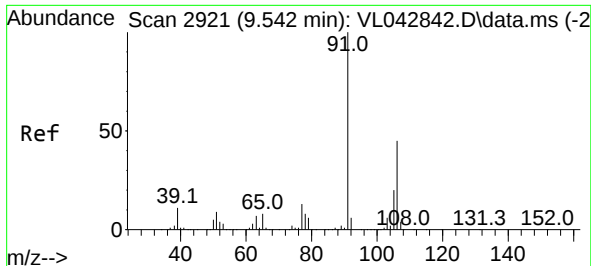
Tgt Ion:112 Resp: 3936
Ion Ratio Lower Upper
112 100
77 62.3 55.5 83.3
114 26.7 27.2 33.2#



#58
Ethyl Benzene
Concen: 0.105 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. -0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 91 Resp: 6413
Ion Ratio Lower Upper
91 100
106 28.5 23.9 35.9





#59

m/p-Xylene

Concen: 0.091 ppbv

RT: 9.539 min Scan# 2921

Delta R.T. -0.003 min

Lab File: VL042846.D

Acq: 13 Aug 2025 10:53

Instrument :

MSVOA_L

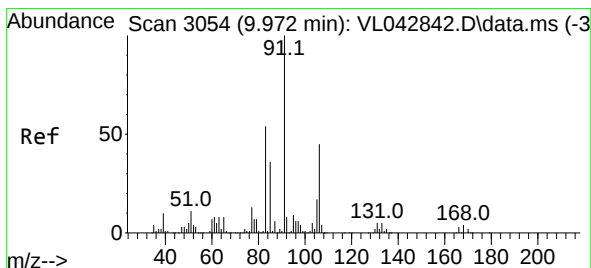
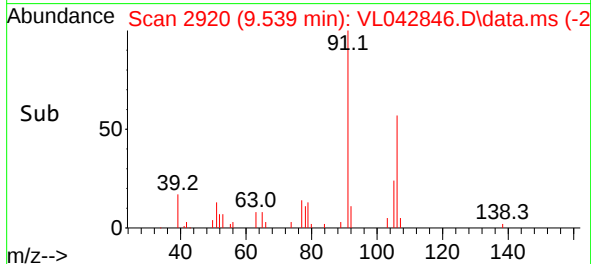
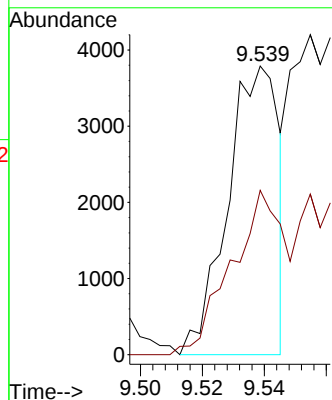
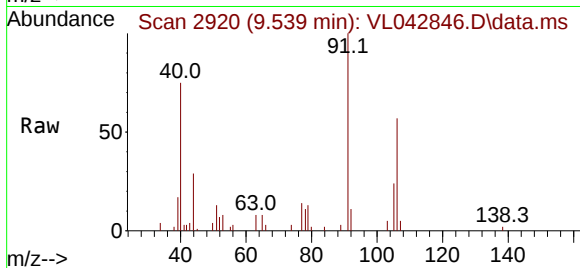
ClientSampleId :

Tgt Ion: 91 Resp: 4356

Ion Ratio Lower Upper

91 100

106 114.3 0.0 0.0#



#60

o-Xylene

Concen: 0.106 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VL042846.D

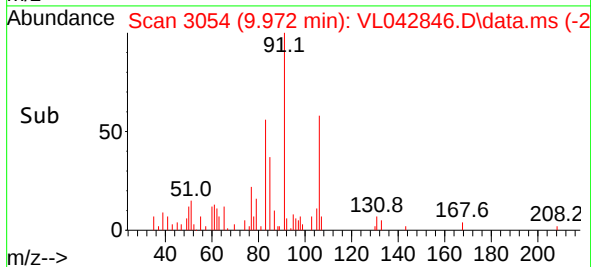
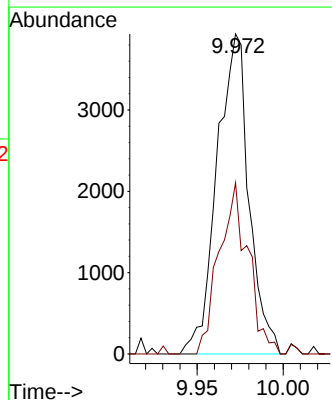
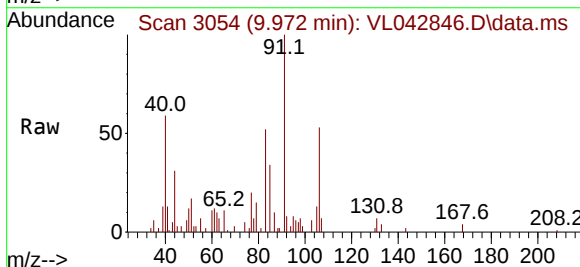
Acq: 13 Aug 2025 10:53

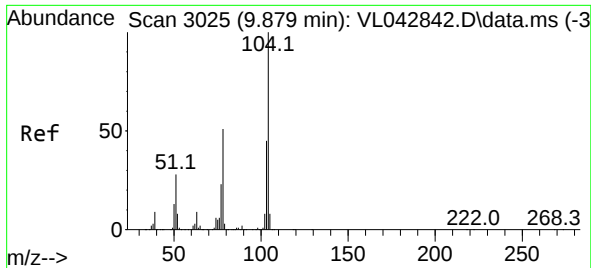
Tgt Ion: 91 Resp: 5090

Ion Ratio Lower Upper

91 100

106 49.7 21.8 65.4

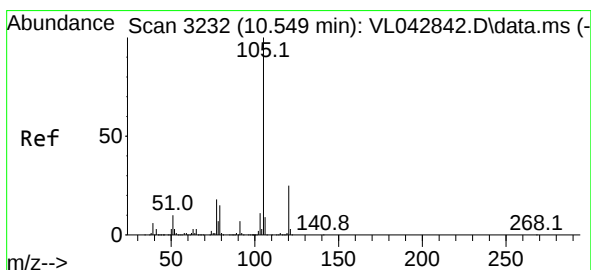
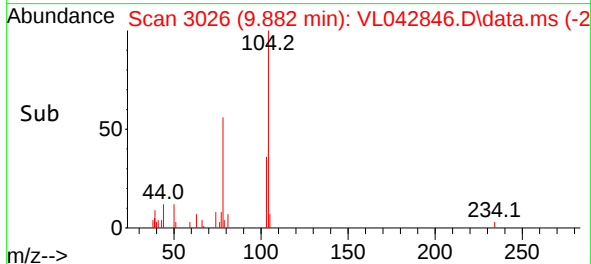
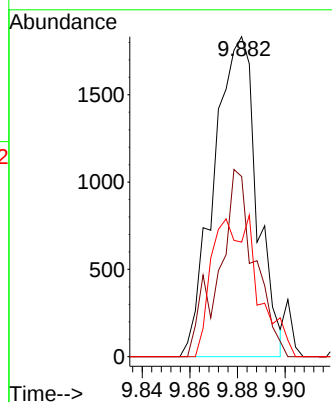
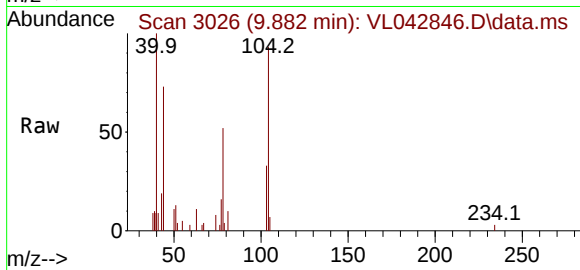




#61
Styrene
Concen: 0.103 ppbv
RT: 9.882 min Scan# 3026
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

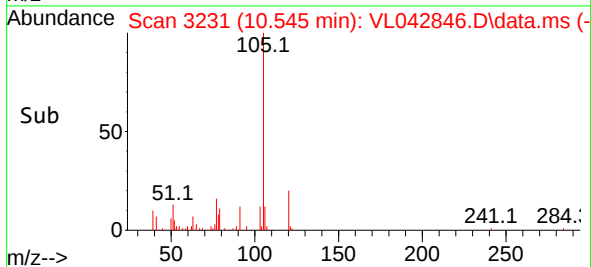
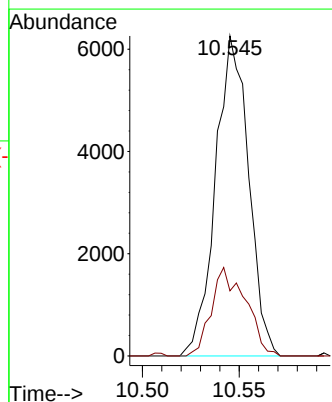
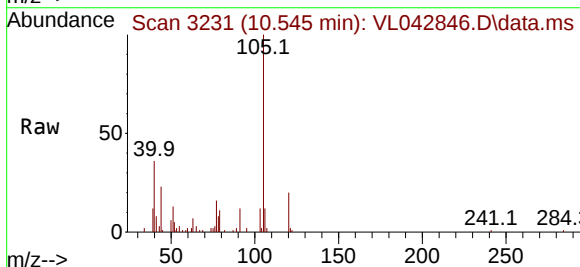
Instrument :
MSVOA_L
ClientSampleId :

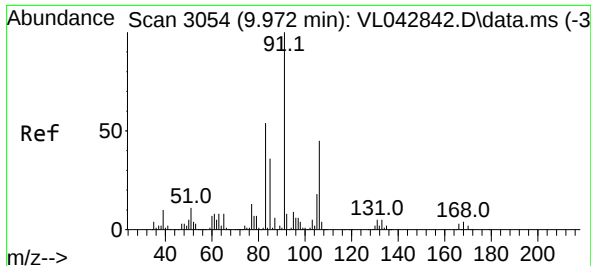
Tgt Ion:104 Resp: 2306
Ion Ratio Lower Upper
104 100
78 48.8 40.6 61.0
103 46.2 37.7 56.5



#62
Isopropylbenzene
Concen: 0.106 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. -0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion:105 Resp: 7444
Ion Ratio Lower Upper
105 100
120 28.9 20.6 30.8

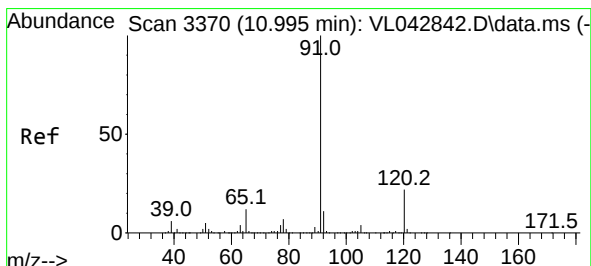
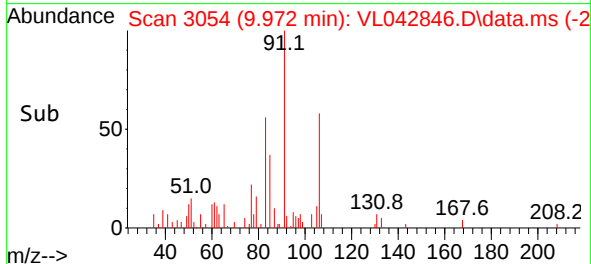
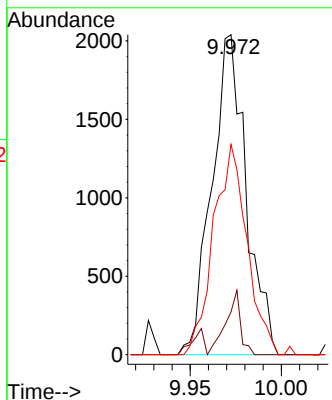
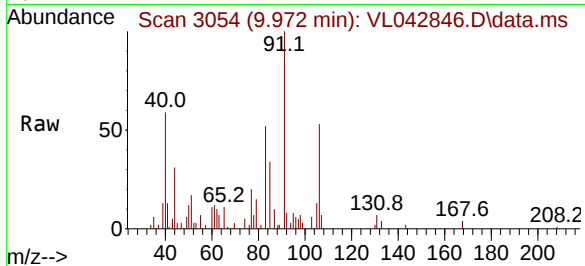




#63
1,1,2,2-Tetrachloroethane
Concen: 0.102 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

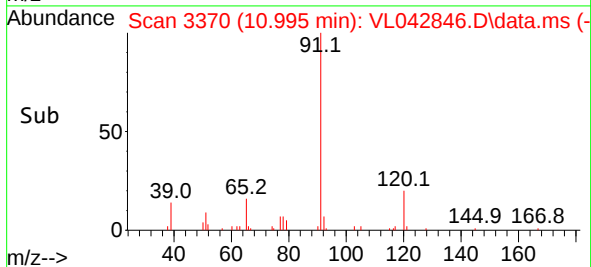
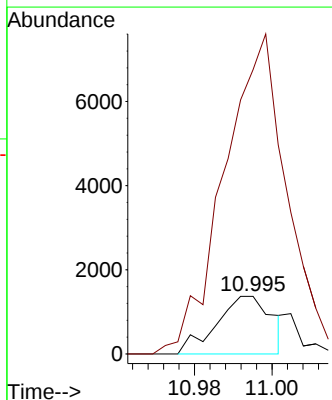
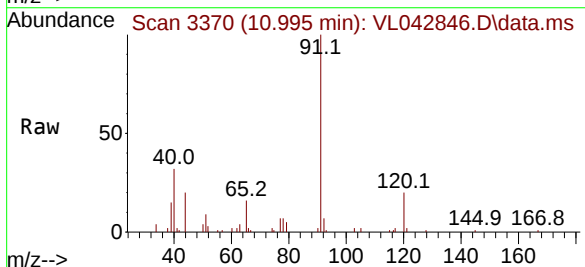
Instrument :
MSVOA_L
ClientSampleId :

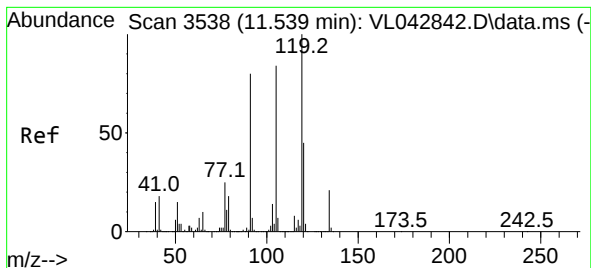
Tgt Ion: 83 Resp: 2672
Ion Ratio Lower Upper
83 100
131 11.4 4.8 14.3
85 64.3 32.3 96.8



#64
n-propylbenzene
Concen: 0.077 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 120 Resp: 1372
Ion Ratio Lower Upper
120 100
91 640.0 375.8 563.6#

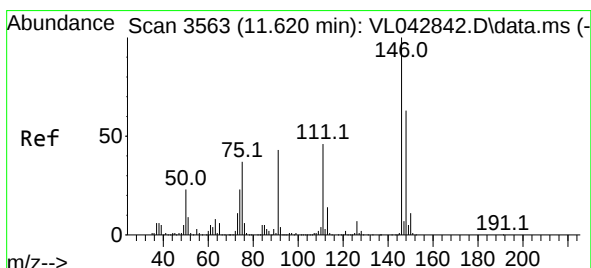
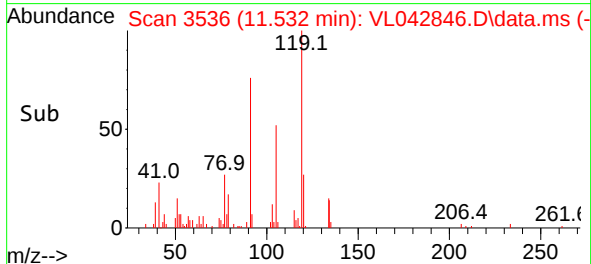
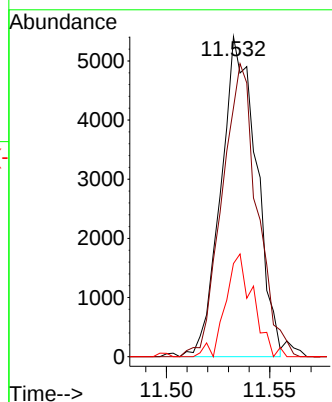
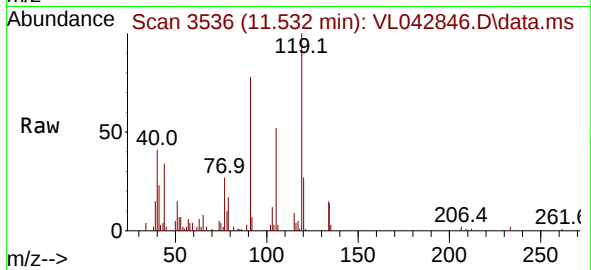




#65
tert-Butylbenzene
Concen: 0.104 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.006 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

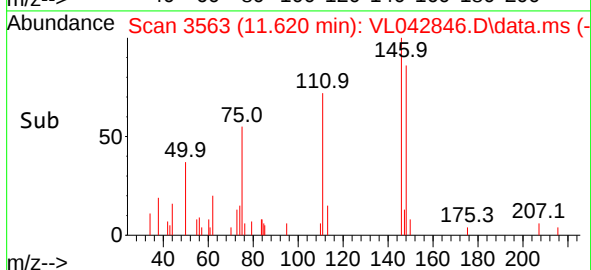
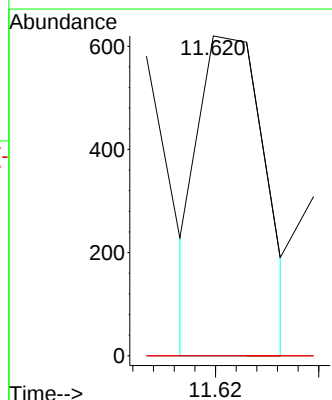
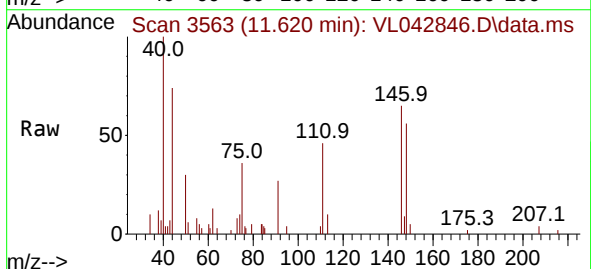
Instrument :
MSVOA_L
ClientSampleId :

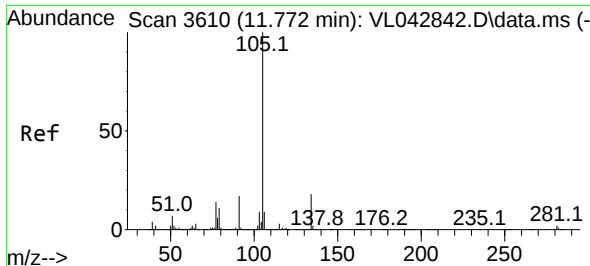
Tgt Ion:119 Resp: 6442
Ion Ratio Lower Upper
119 100
91 91.1 63.9 95.9
134 25.4 17.0 25.4



#66
Benzyl Chloride
Concen: 0.035 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

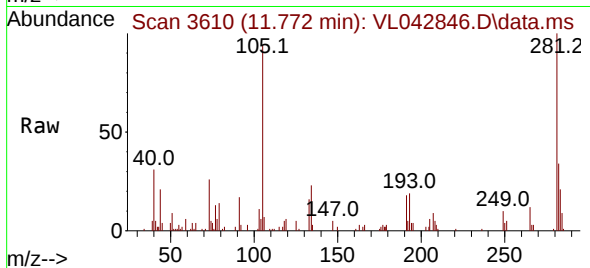
Tgt Ion: 91 Resp: 276
Ion Ratio Lower Upper
91 100
126 0.0 14.2 21.4#
128 0.0 5.0 7.6#



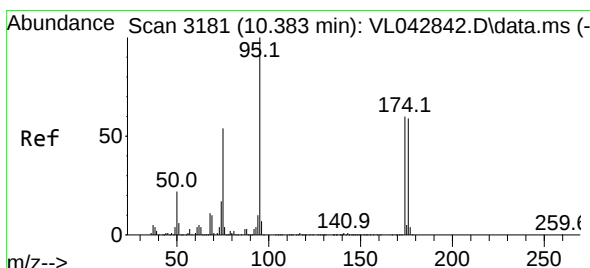
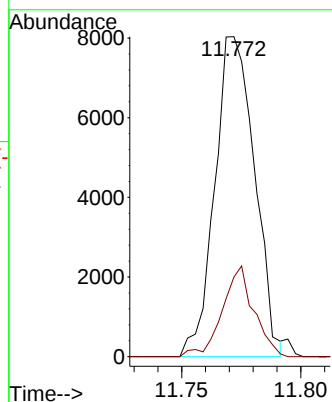
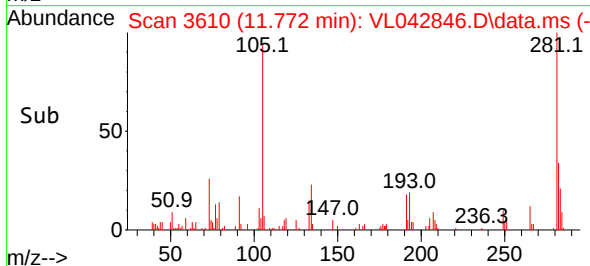


#67
 sec-Butylbenzene
 Concen: 0.107 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. -0.000 min
 Lab File: VL042846.D
 Acq: 13 Aug 2025 10:53

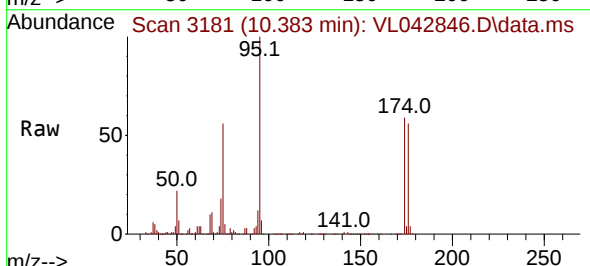
Instrument :
 MSVOA_L
 ClientSampleId :



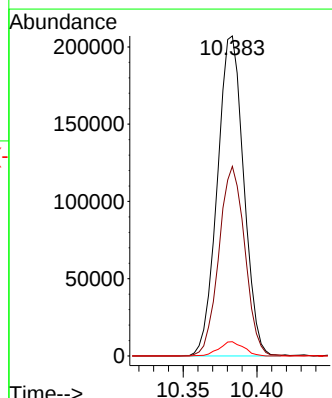
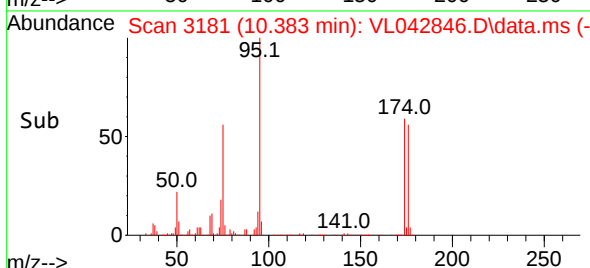
Tgt Ion:105 Resp: 9332
 Ion Ratio Lower Upper
 105 100
 134 22.4 14.9 22.3#

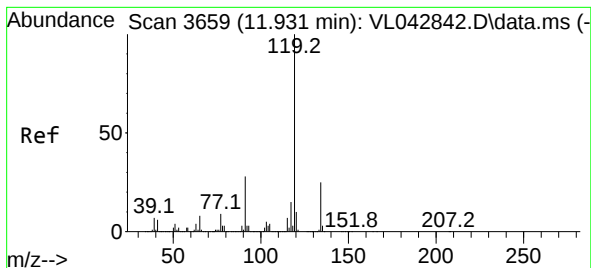


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.948 ppbv
 RT: 10.383 min Scan# 3181
 Delta R.T. -0.000 min
 Lab File: VL042846.D
 Acq: 13 Aug 2025 10:53



Tgt Ion: 95 Resp: 257439
 Ion Ratio Lower Upper
 95 100
 174 58.3 48.4 72.6
 175 4.2 3.8 5.8





#69

p-Isopropyltoluene

Concen: 0.099 ppbv

RT: 11.934 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL042846.D

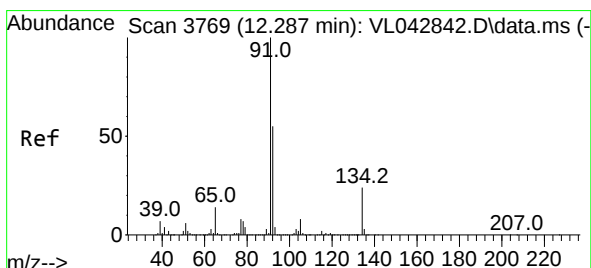
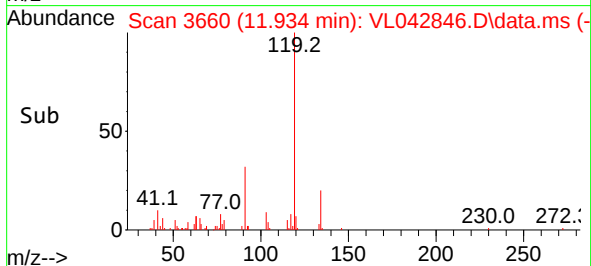
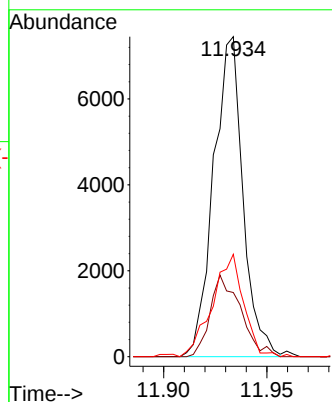
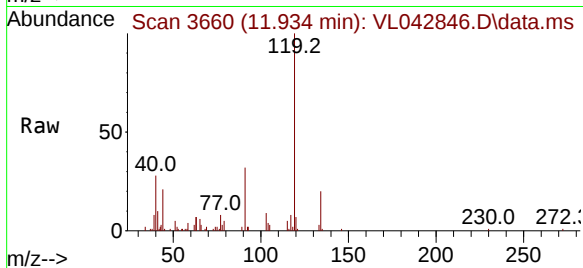
Acq: 13 Aug 2025 10:53

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:119	Resp:	7360
Ion	Ratio	Lower Upper
119	100	
134	26.5	20.6 30.8
91	34.5	22.6 34.0#



#70

n-Butylbenzene

Concen: 0.087 ppbv

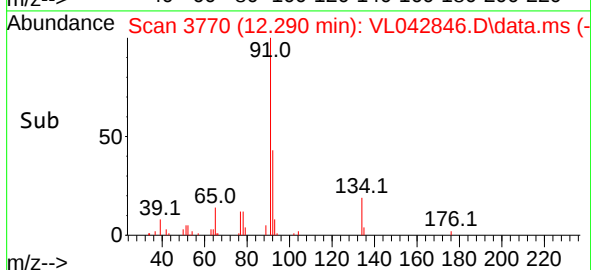
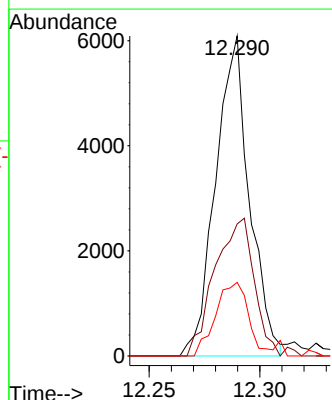
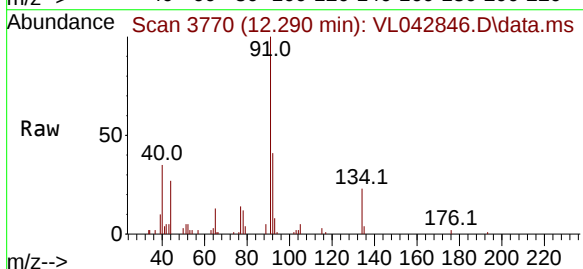
RT: 12.290 min Scan# 3770

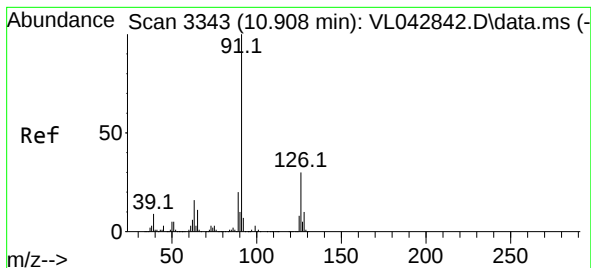
Delta R.T. 0.003 min

Lab File: VL042846.D

Acq: 13 Aug 2025 10:53

Tgt Ion: 91	Resp:	6458
Ion	Ratio	Lower Upper
91	100	
92	50.7	44.6 66.8
134	24.0	19.0 28.4

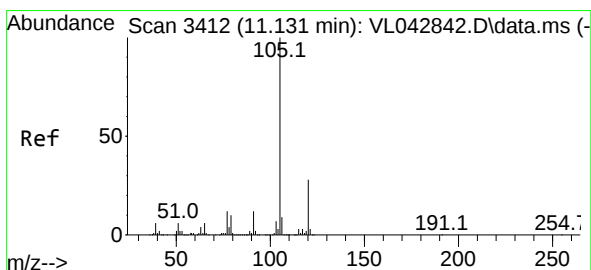
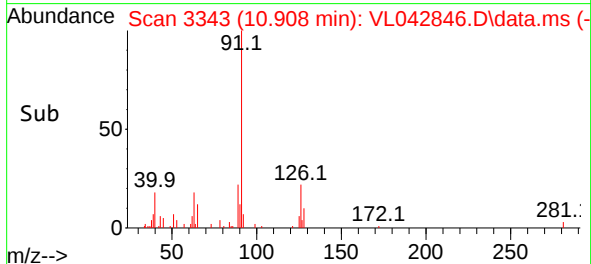
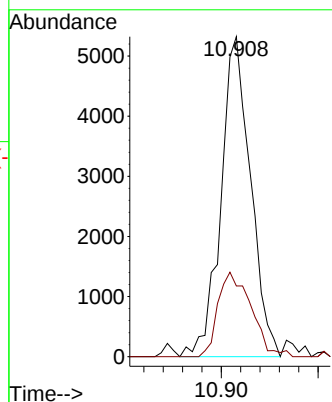
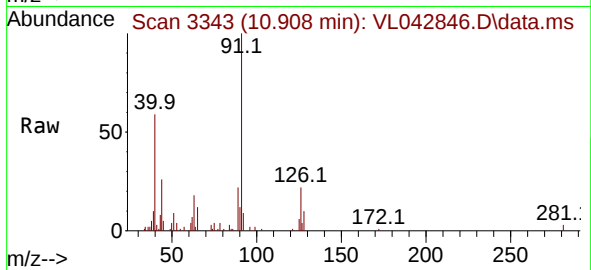




#71
2-Chlorotoluene
Concen: 0.104 ppbv
RT: 10.908 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

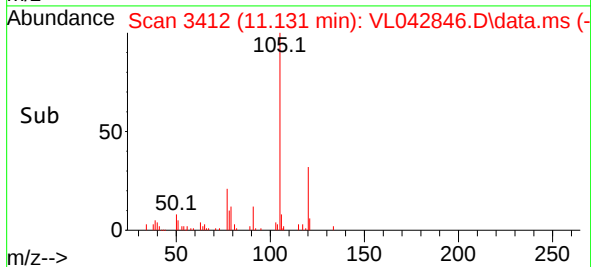
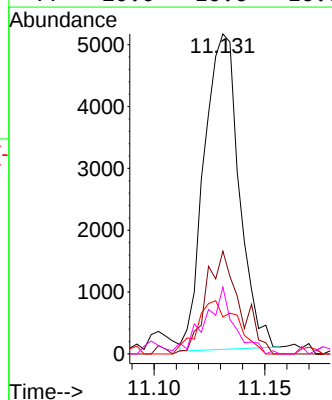
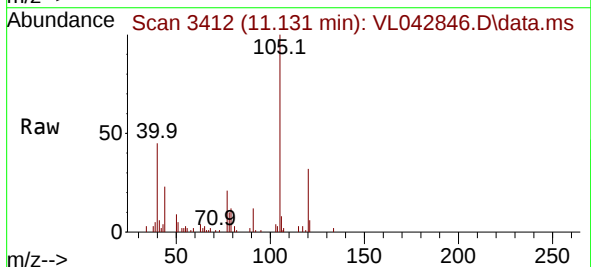
Instrument :
MSVOA_L
ClientSampleId :

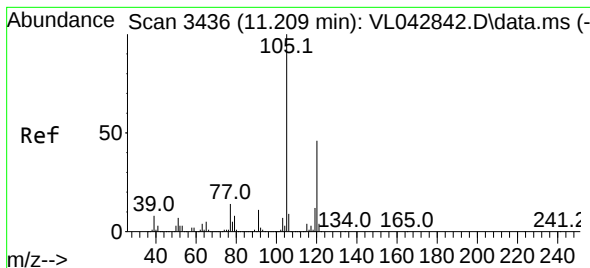
Tgt Ion: 91 Resp: 5660
Ion Ratio Lower Upper
91 100
126 29.8 12.0 47.8



#72
4-Ethyltoluene
Concen: 0.097 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 105 Resp: 5621
Ion Ratio Lower Upper
105 100
120 32.0 23.4 35.2
91 21.2 9.8 14.6#
77 20.0 10.6 16.0#





#73

1,3,5-Trimethylbenzene

Concen: 0.107 ppbv

RT: 11.212 min Scan# 3437

Delta R.T. 0.003 min

Lab File: VL042846.D

Acq: 13 Aug 2025 10:53

Instrument :

MSVOA_L

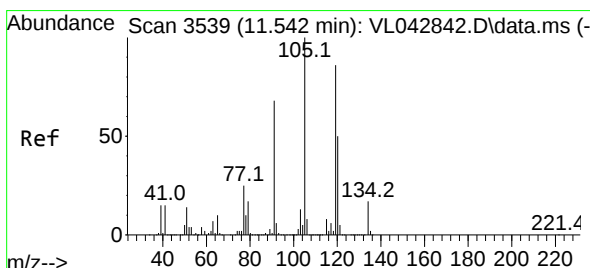
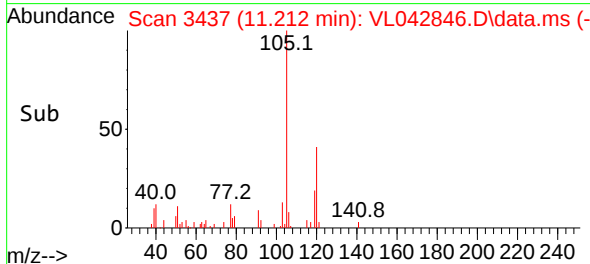
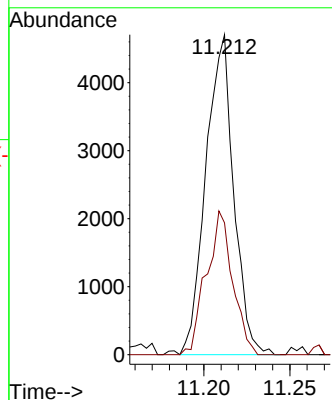
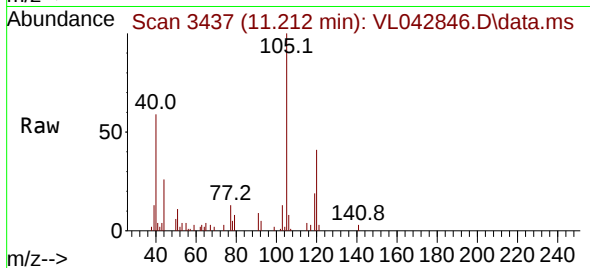
ClientSampleId :

Tgt Ion:105 Resp: 5297

Ion Ratio Lower Upper

105 100

120 41.2 36.6 54.8



#74

1,2,4-Trimethylbenzene

Concen: 0.106 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. -0.000 min

Lab File: VL042846.D

Acq: 13 Aug 2025 10:53

Tgt Ion:105 Resp: 5786

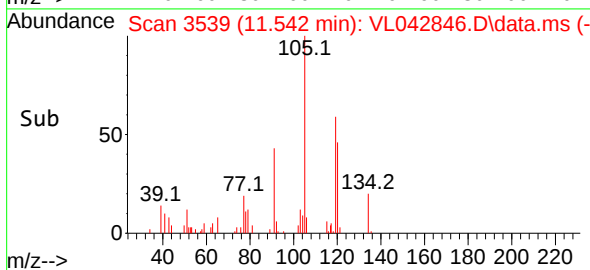
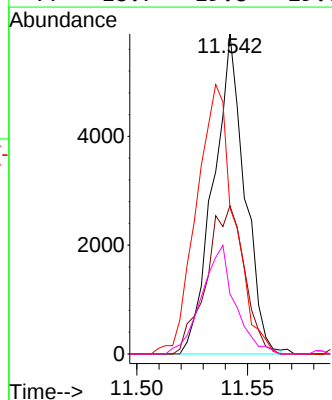
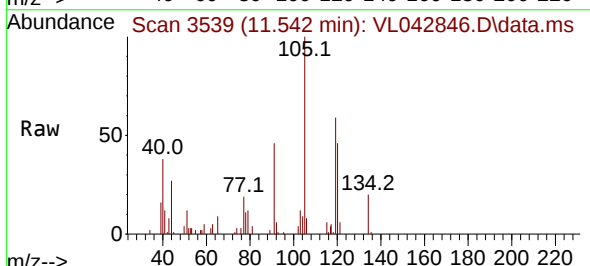
Ion Ratio Lower Upper

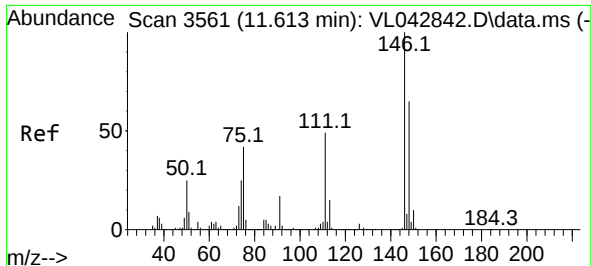
105 100

120 46.3 39.8 59.6

91 45.6 54.2 81.4#

77 18.7 19.8 29.6#

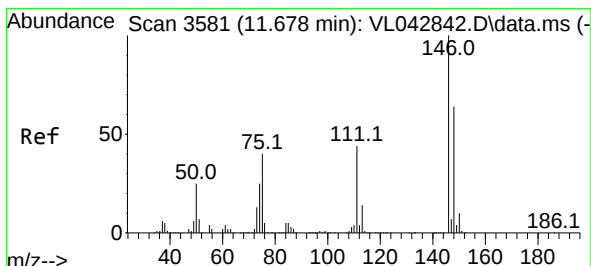
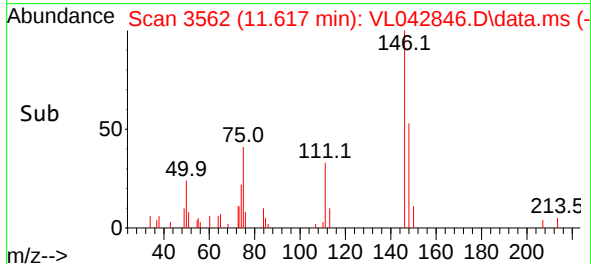
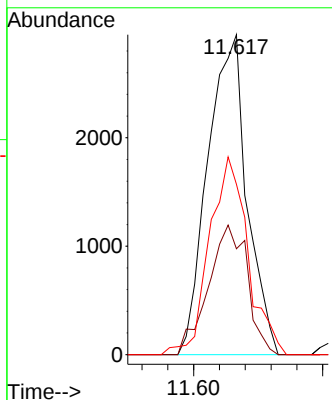
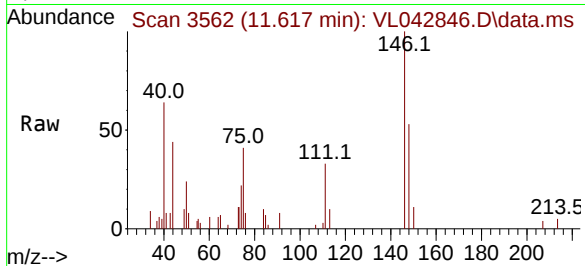




#75
1,3-Dichlorobenzene
Concen: 0.101 ppbv
RT: 11.617 min Scan# 3561
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

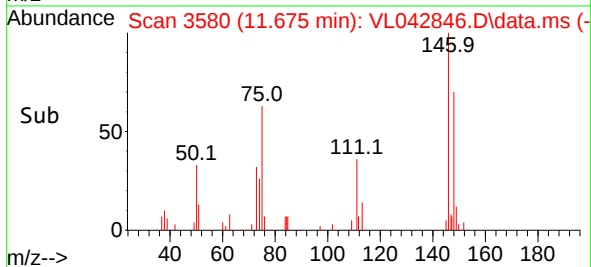
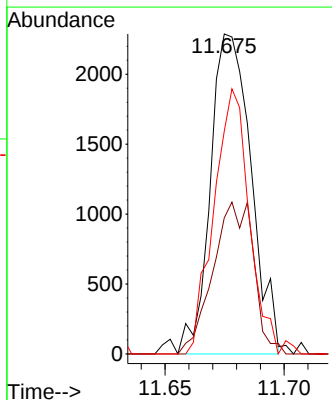
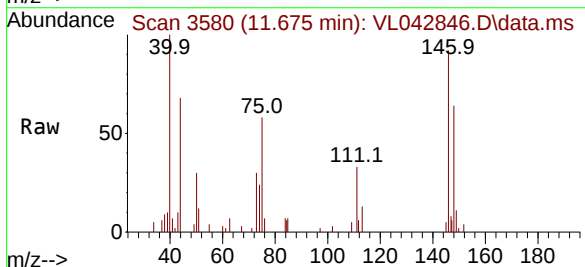
Instrument :
MSVOA_L
ClientSampleId :

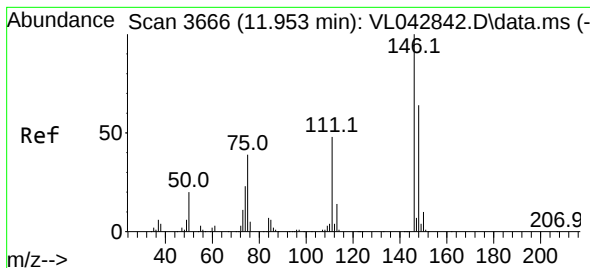
Tgt Ion:146 Resp: 3112
Ion Ratio Lower Upper
146 100
111 40.1 23.9 71.7
148 60.4 31.4 94.0



#76
1,4-Dichlorobenzene
Concen: 0.087 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion:146 Resp: 2717
Ion Ratio Lower Upper
146 100
111 47.4 22.7 68.1
148 72.9 31.8 95.3





#77

1,2-Dichlorobenzene

Concen: 0.104 ppbv

RT: 11.953 min Scan# 3666

Delta R.T. -0.000 min

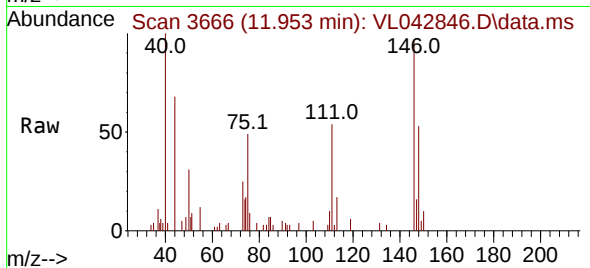
Lab File: VL042846.D

Acq: 13 Aug 2025 10:53

Instrument :

MSVOA_L

ClientSampleId :



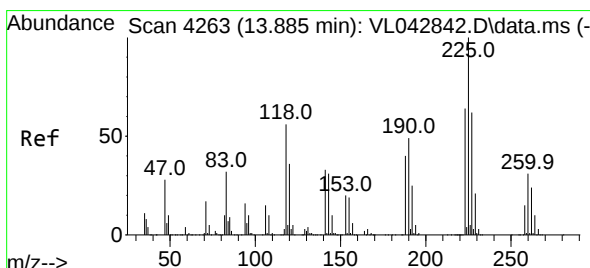
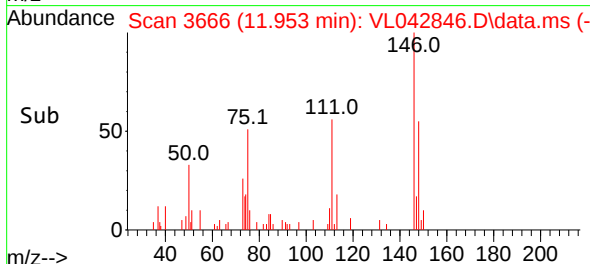
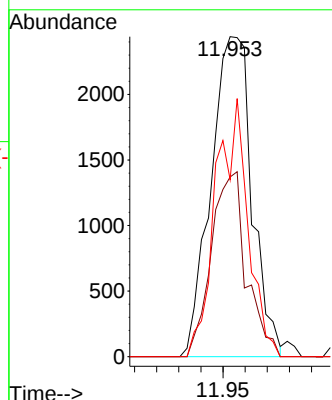
Tgt Ion:146 Resp: 3151

Ion Ratio Lower Upper

146 100

111 49.2 24.6 74.0

148 63.3 32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 0.106 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. -0.000 min

Lab File: VL042846.D

Acq: 13 Aug 2025 10:53

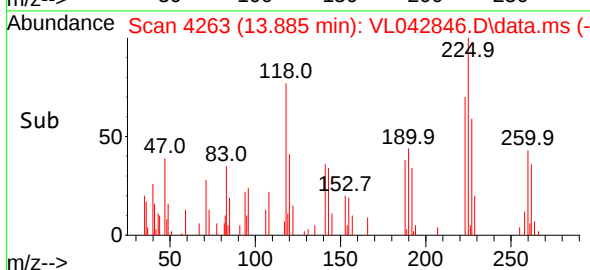
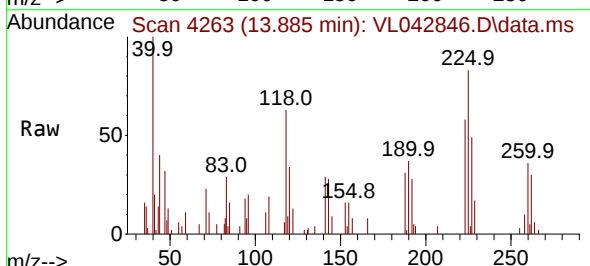
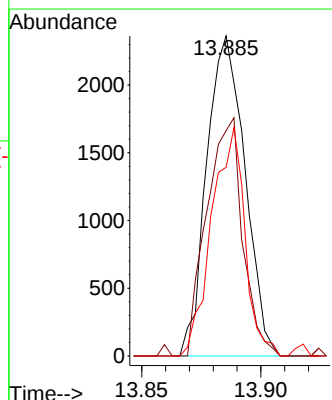
Tgt Ion:225 Resp: 2639

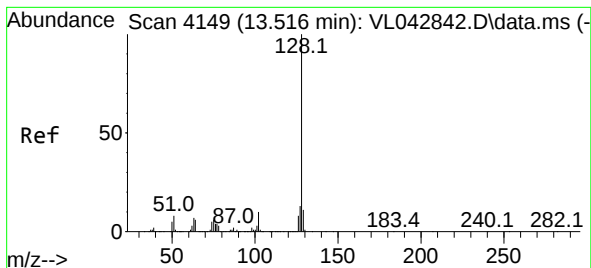
Ion Ratio Lower Upper

225 100

223 70.3 51.4 77.2

227 62.8 51.9 77.9





#79

Naphthalene

Concen: 0.075 ppbv

RT: 13.520 min Scan# 4149

Delta R.T. 0.003 min

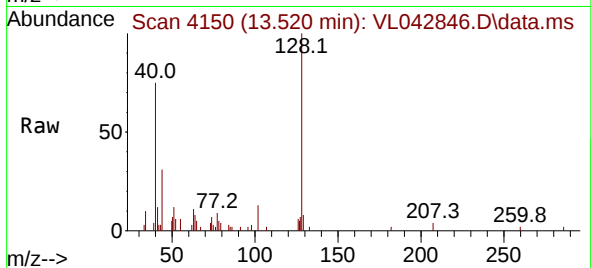
Lab File: VL042846.D

Acq: 13 Aug 2025 10:53

Instrument :

MSVOA_L

ClientSampleId :



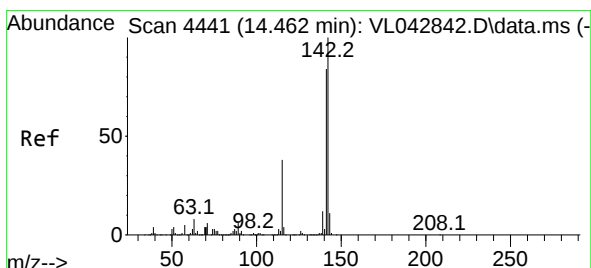
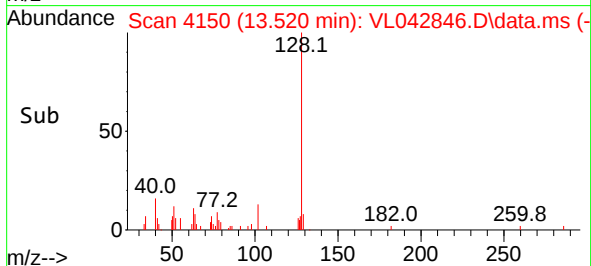
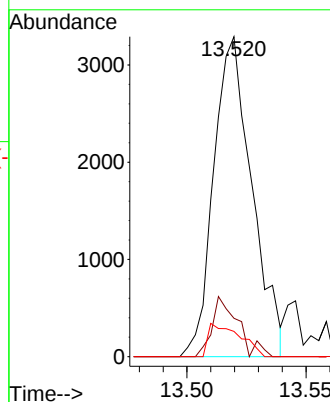
Tgt Ion:128 Resp: 3670

Ion Ratio Lower Upper

128 100

127 12.0 10.6 16.0

129 7.9 8.9 13.3#



#80

Naphthalene,2-methyl-

Concen: 0.037 ppbv

RT: 14.471 min Scan# 4444

Delta R.T. 0.010 min

Lab File: VL042846.D

Acq: 13 Aug 2025 10:53

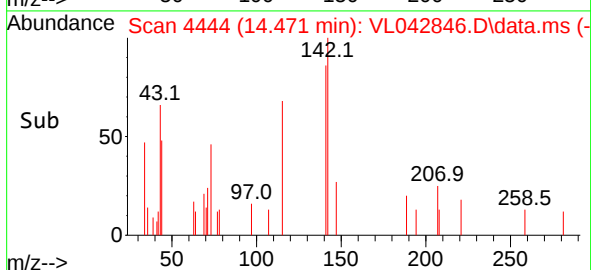
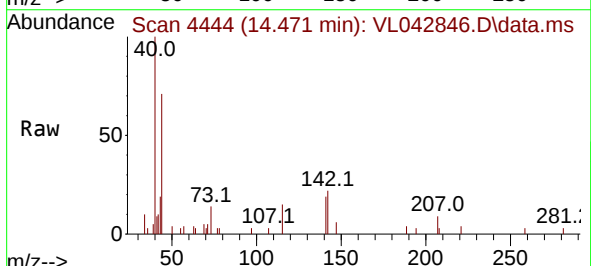
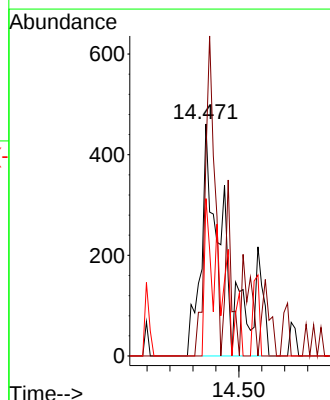
Tgt Ion:142 Resp: 682

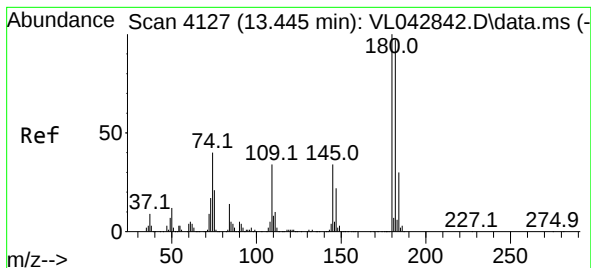
Ion Ratio Lower Upper

142 100

141 104.0 67.0 100.6#

115 43.4 30.9 46.3





#81

1,2,4-Trichlorobenzene

Concen: 0.054 ppbv

RT: 13.442 min Scan# 41

Delta R.T. -0.003 min

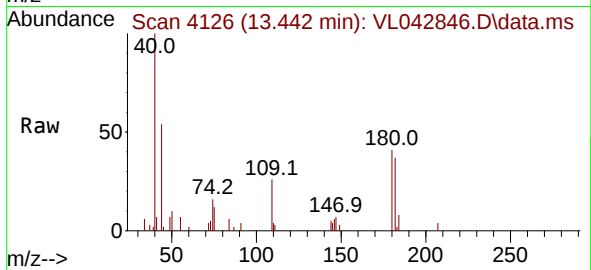
Lab File: VL042846.D

Acq: 13 Aug 2025 10:53

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:	180	Resp:	1342
Ion	Ratio	Lower	Upper
180	100		
182	109.0	76.9	115.3
184	31.3	24.5	36.7

