

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082125\
 Data File : VL042868.D
 Acq On : 21 Aug 2025 16:24
 Operator : SY/MD
 Sample : VL0821ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0821ABS01

Quant Time: Aug 22 01:23:56 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 02:12:54 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	129175	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	381111	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	329136	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	259863	10.527	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	187648	9.912	ppbv	98
3) Chlorodifluoromethane	1.479	51	207312	9.907	ppbv	98
4) Chloromethane	1.534	50	71720	9.388	ppbv	99
5) Vinyl Chloride	1.583	62	66037	8.777	ppbv	99
6) Bromomethane	1.670	94	28024	9.315	ppbv	92
7) Chloroethane	1.706	64	27369	9.315	ppbv	93
8) Dichlorotetrafluoroethane	1.557	85	153444	9.905	ppbv	98
9) Propene	1.486	41	78912	8.732	ppbv	96
10) Heptane	4.991	43	219797	9.081	ppbv	99
11) Trichlorofluoromethane	1.881	101	187585	10.043	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	145290	9.759	ppbv	99
13) Ethanol	1.725	45	6500	7.866	ppbv	96
14) Bromoethene	1.784	108	54170	10.051	ppbv	100
15) Acetone	1.839	43	142967	8.367	ppbv	99
16) 1,3-Butadiene	1.612	39	69767	9.006	ppbv	96
17) tert-Butyl alcohol	2.043	59	177633	8.766	ppbv	99
18) 1,1-Dichloroethene	2.039	96	66095	10.099	ppbv	98
19) Isopropyl Alcohol	1.887	45	91925	9.007	ppbv	97
20) Methylene Chloride	2.065	84	56441	7.885	ppbv	91
21) Allyl Chloride	2.101	41	116767	9.673	ppbv	97
22) trans-1,2-Dichloroethene	2.347	96	75407	9.959	ppbv	99
23) Vinyl Acetate	2.467	43	217643	9.263	ppbv	99
24) 1,1-Dichloroethane	2.415	63	147252	9.738	ppbv	97
25) Ethyl Acetate	2.839	43	391006	9.455	ppbv	99
26) Hexane	2.832	57	180474	9.454	ppbv	96
27) Carbon Disulfide	2.156	76	182512	9.825	ppbv	99
28) Methyl tert-Butyl Ether	2.444	73	91041	9.353	ppbv	92
29) Chloroform	2.855	83	272966	10.015	ppbv	98
30) Cyclohexane	3.865	84	156618	9.358	ppbv	99
31) cis-1,2-Dichloroethene	2.726	61	181954	9.543	ppbv	100
32) 1,1,1-Trichloroethane	3.376	97	276651	9.605	ppbv	99
34) 2-Butanone	2.560	43	256883	9.982	ppbv	100
35) Carbon Tetrachloride	3.771	117	269164	10.245	ppbv	96
36) Benzene	3.664	78	370291	10.146	ppbv	99
37) 1,2-Dichloroethane	3.224	62	210547	11.043	ppbv	97
38) Trichloroethene	4.557	130	162981	9.779	ppbv	98
39) 1,2-Dichloropropane	4.321	63	134416	10.085	ppbv	96
40) 1,4-Dioxane	4.590	88	58064	9.161	ppbv #	91
41) Tetrahydrofuran	3.059	42	142741	9.949	ppbv	99
42) Bromodichloromethane	4.499	83	302898	10.661	ppbv	96
43) Methyl Methacrylate	4.888	69	141681	9.424	ppbv	97
44) 2,2,4-Trimethylpentane	4.651	57	606952	9.799	ppbv	99
45) t-1,3-Dichloropropene	6.431	75	169529	9.992	ppbv	94

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Quant Time: Aug 22 01:23:56 2025
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Aug 14 02:12:54 2025
 Response via : Initial Calibration

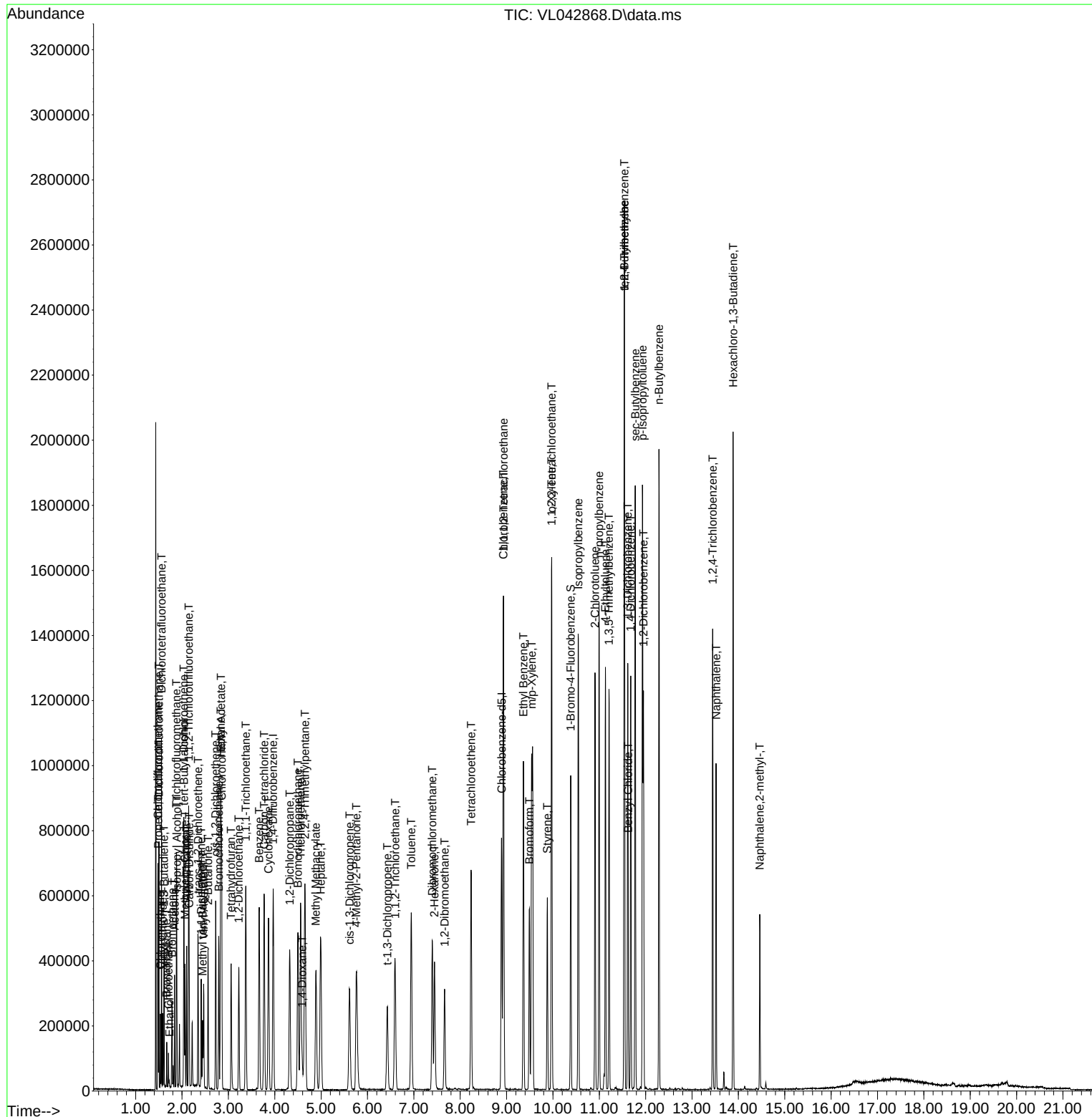
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	208849	9.879	ppbv	96
47) 1,1,2-Trichloroethane	6.597	97	140526	9.951	ppbv	94
48) Dibromochloromethane	7.396	129	234624	10.267	ppbv	100
49) Bromoform	9.493	173	185144	9.824	ppbv	99
50) 4-Methyl-2-Pentanone	5.758	43	342721	9.853	ppbv	98
51) 2-Hexanone	7.445	43	272084	9.940	ppbv #	98
52) Tetrachloroethene	8.234	164	115888	8.778	ppbv	92
53) Toluene	6.946	91	418783	9.652	ppbv	100
54) 1,2-Dibromoethane	7.665	107	206148	9.989	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.933	131	170516	10.018	ppbv	99
57) Chlorobenzene	8.930	112	310343	9.917	ppbv	97
58) Ethyl Benzene	9.364	91	582812	10.034	ppbv	100
59) m/p-Xylene	9.542	91	511984	11.246	ppbv #	100
60) o-Xylene	9.972	91	461704	10.082	ppbv	99
61) Styrene	9.878	104	208048	9.696	ppbv	98
62) Isopropylbenzene	10.545	105	670006	10.011	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.969	83	252269	10.017	ppbv	100
64) n-propylbenzene	10.995	120	167934	9.834	ppbv	92
65) tert-Butylbenzene	11.539	119	571246	9.682	ppbv	96
66) Benzyl Chloride	11.623	91	57933	7.735	ppbv	99
67) sec-Butylbenzene	11.775	105	817985	9.877	ppbv	99
69) p-Isopropyltoluene	11.931	119	680571	9.572	ppbv	98
70) n-Butylbenzene	12.287	91	715452	10.146	ppbv	98
71) 2-Chlorotoluene	10.908	91	515189	9.913	ppbv	98
72) 4-Ethyltoluene	11.131	105	564628	10.170	ppbv	98
73) 1,3,5-Trimethylbenzene	11.209	105	467427	9.901	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	509797	9.838	ppbv	94
75) 1,3-Dichlorobenzene	11.613	146	290683	9.867	ppbv	99
76) 1,4-Dichlorobenzene	11.678	146	289000	9.700	ppbv	98
77) 1,2-Dichlorobenzene	11.953	146	277898	9.634	ppbv	98
78) Hexachloro-1,3-Butadiene	13.885	225	189465	8.014	ppbv	98
79) Naphthalene	13.520	128	462417	9.843	ppbv	99
80) Naphthalene,2-methyl-	14.462	142	143032	8.148	ppbv	98
81) 1,2,4-Trichlorobenzene	13.445	180	225714	9.559	ppbv	98

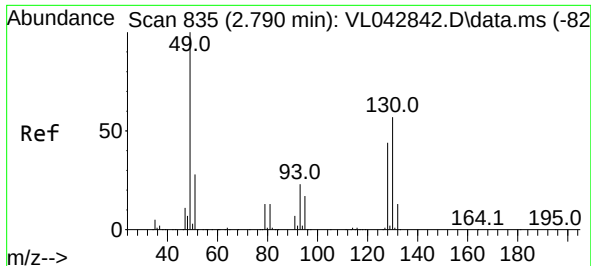
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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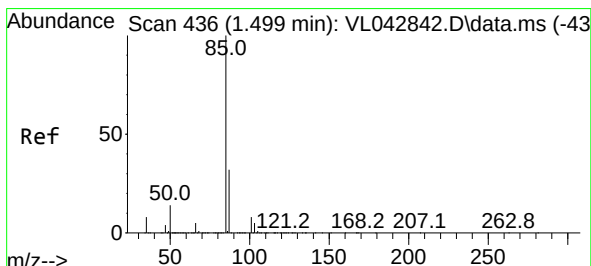
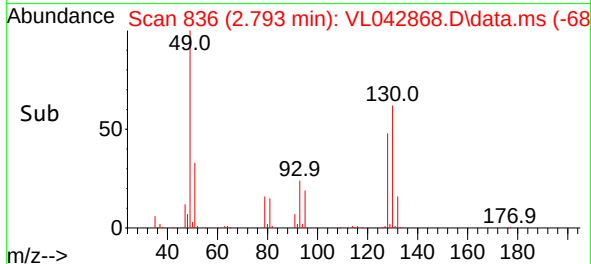
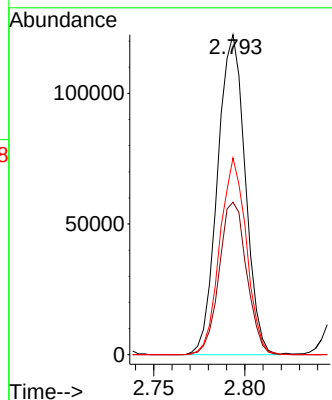
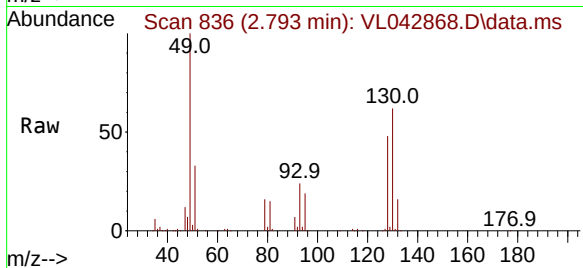




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.793 min Scan# 835
 Delta R.T. 0.003 min
 Lab File: VL042868.D
 Acq: 21 Aug 2025 16:24

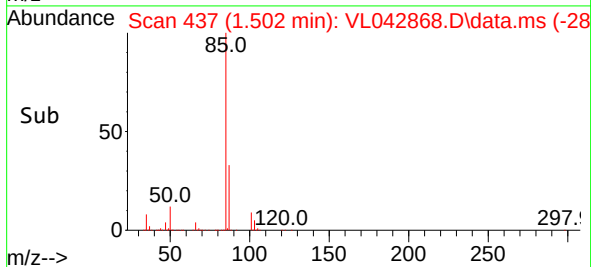
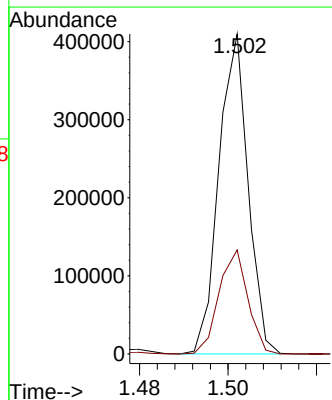
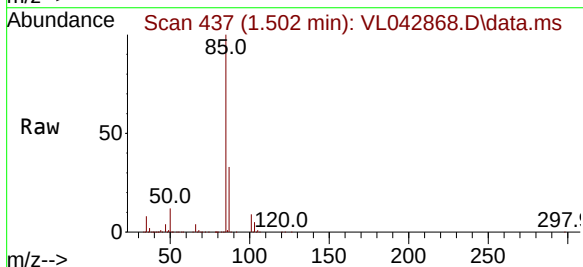
Instrument :
 MSVOA_L
 ClientSampleId :
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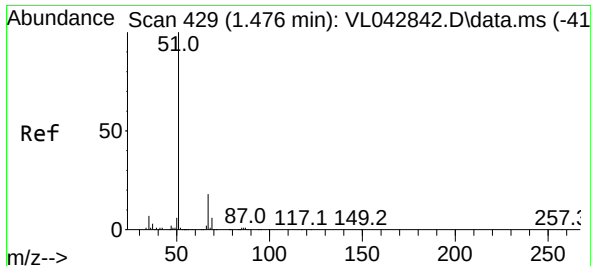
Tgt Ion: 49 Resp: 129175
 Ion Ratio Lower Upper
 49 100
 128 47.4 23.7 71.1
 130 59.0 30.6 91.6



#2
 Dichlorodifluoromethane
 Concen: 9.912 ppbv
 RT: 1.502 min Scan# 437
 Delta R.T. 0.003 min
 Lab File: VL042868.D
 Acq: 21 Aug 2025 16:24

Tgt Ion: 85 Resp: 187648
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.3 37.9

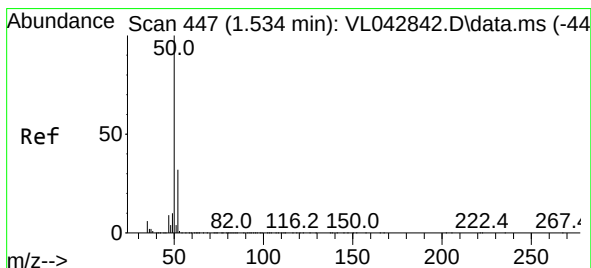
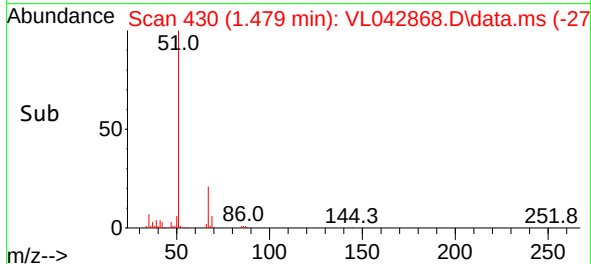
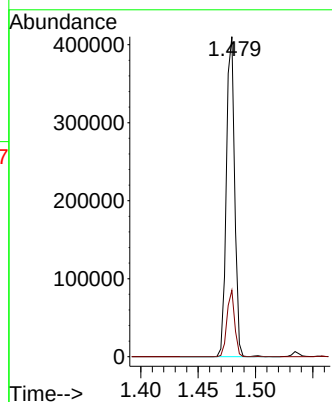
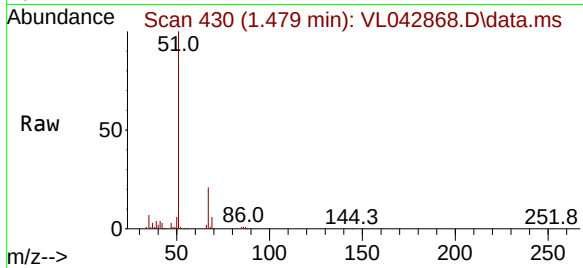




#3
Chlorodifluoromethane
Concen: 9.907 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

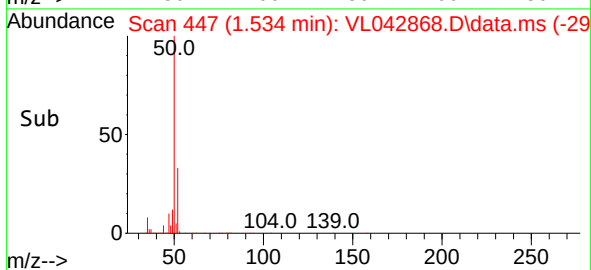
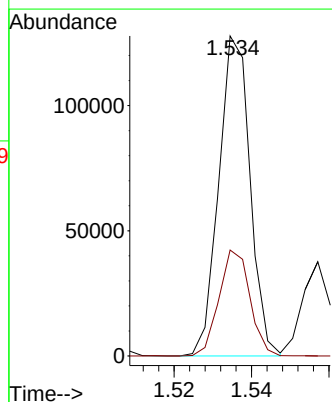
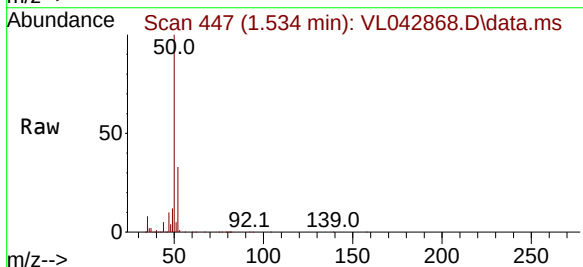
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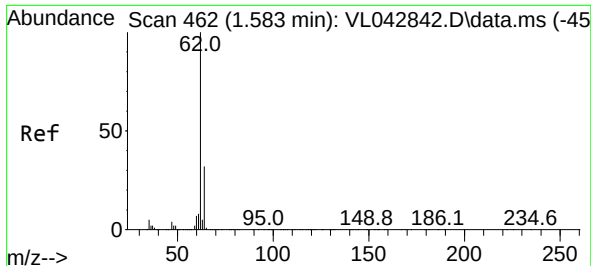
Tgt Ion: 51 Resp: 207312
Ion Ratio Lower Upper
51 100
67 19.3 14.9 22.3



#4
Chloromethane
Concen: 9.388 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

Tgt Ion: 50 Resp: 71720
Ion Ratio Lower Upper
50 100
52 33.1 25.9 38.9

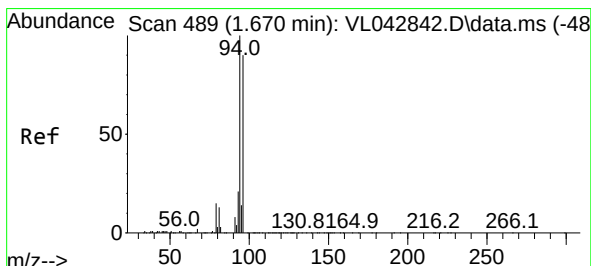
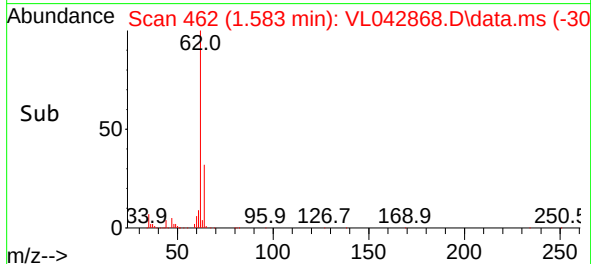
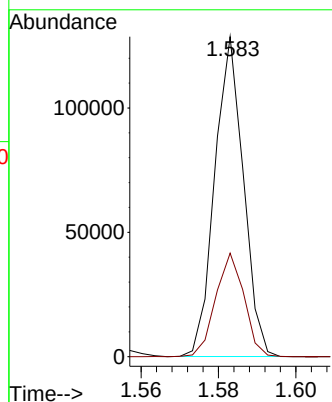
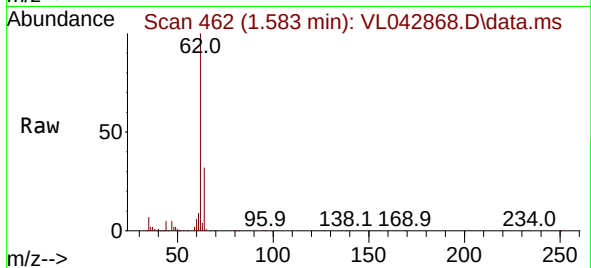




#5
 Vinyl Chloride
 Concen: 8.777 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.000 min
 Lab File: VL042868.D
 Acq: 21 Aug 2025 16:24

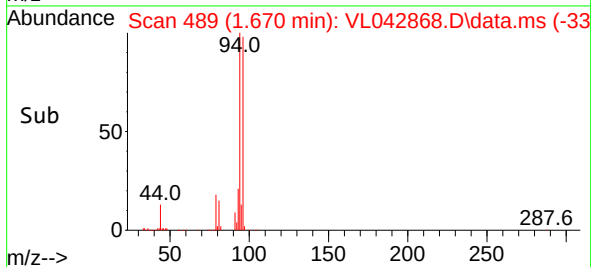
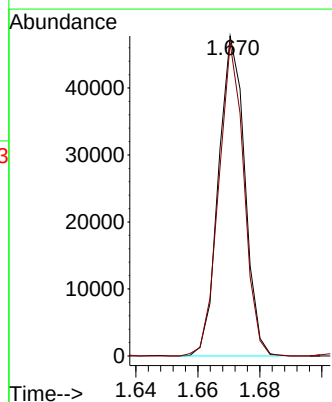
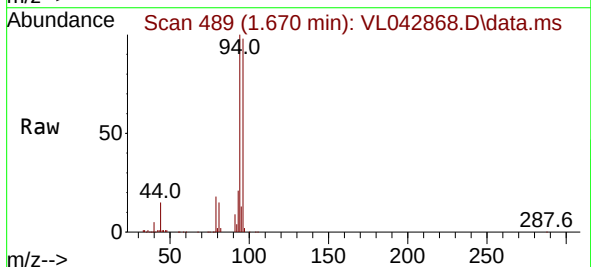
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0821ABS01

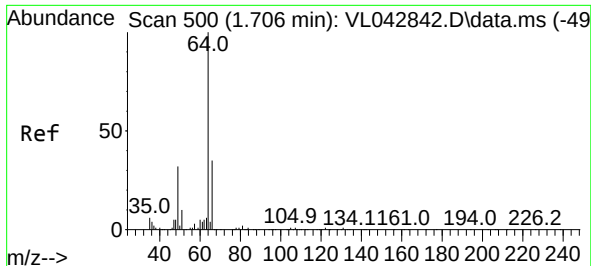
Tgt Ion: 62 Resp: 66037
 Ion Ratio Lower Upper
 62 100
 64 32.3 25.4 38.2



#6
 Bromomethane
 Concen: 9.315 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL042868.D
 Acq: 21 Aug 2025 16:24

Tgt Ion: 94 Resp: 28024
 Ion Ratio Lower Upper
 94 100
 96 97.9 72.1 108.1

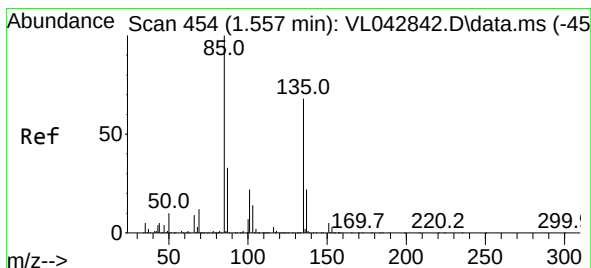
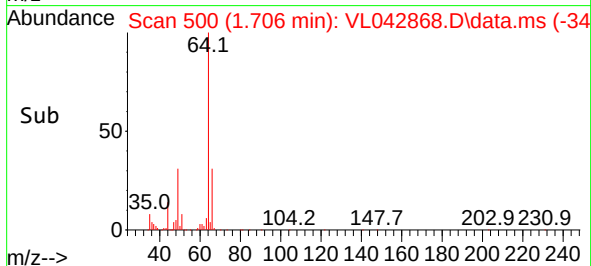
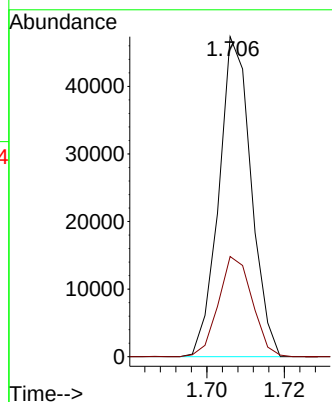
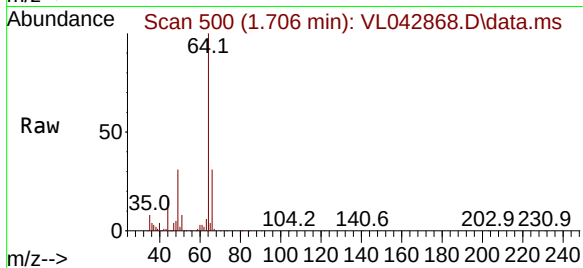




#7
Chloroethane
Concen: 9.315 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

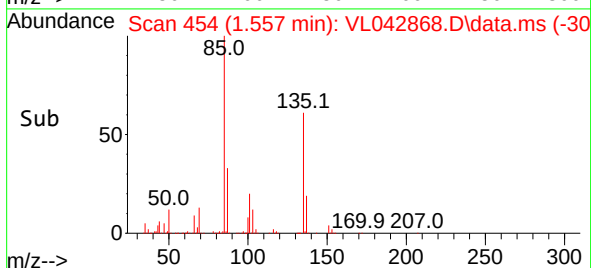
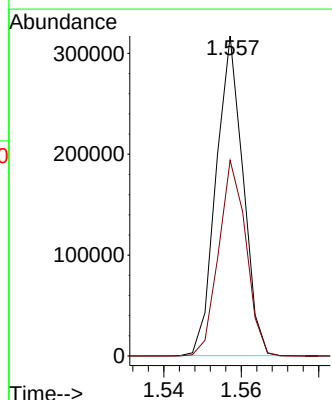
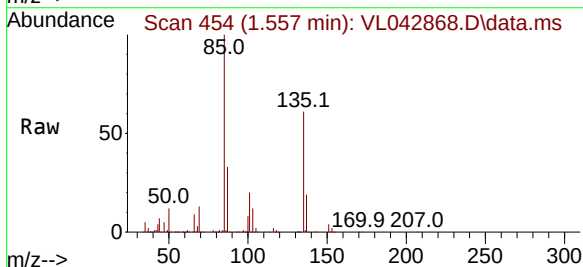
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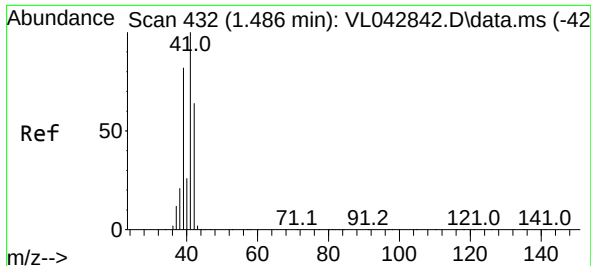
Tgt Ion: 64 Resp: 27369
Ion Ratio Lower Upper
64 100
66 31.3 28.6 42.8



#8
Dichlorotetrafluoroethane
Concen: 9.905 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

Tgt Ion: 85 Resp: 153444
Ion Ratio Lower Upper
85 100
135 62.2 51.2 76.8

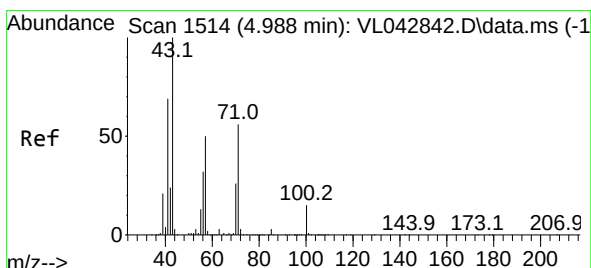
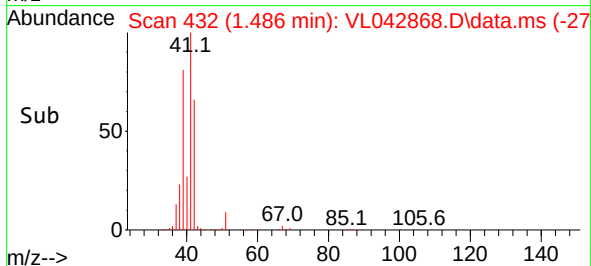
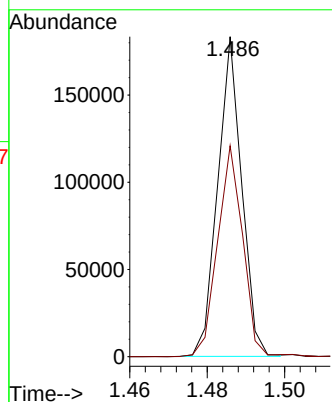
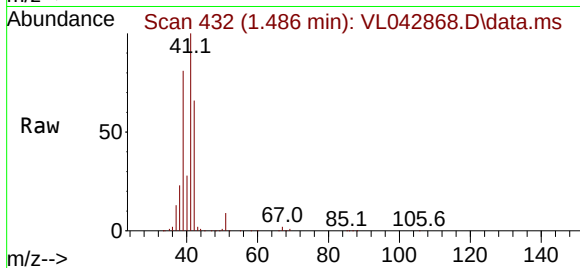




#9
 Propene
 Concen: 8.732 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042868.D
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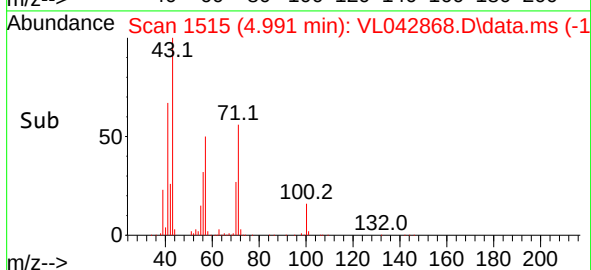
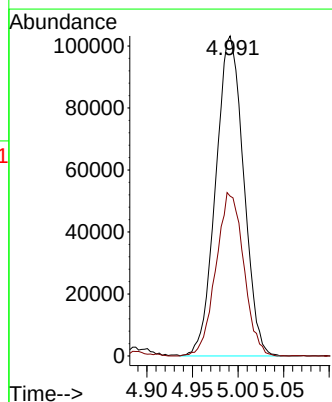
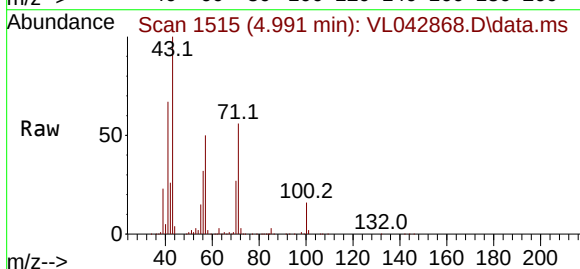
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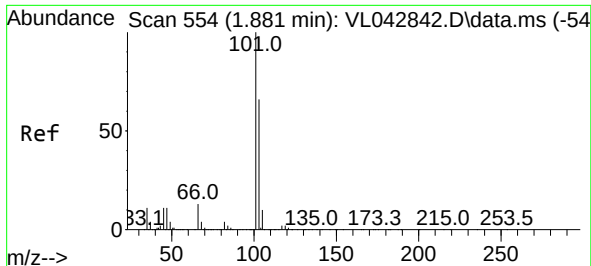
Tgt Ion: 41 Resp: 78912
 Ion Ratio Lower Upper
 41 100
 42 69.7 53.0 79.4



#10
 Heptane
 Concen: 9.081 ppbv
 RT: 4.991 min Scan# 1515
 Delta R.T. 0.003 min
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Tgt Ion: 43 Resp: 219797
 Ion Ratio Lower Upper
 43 100
 57 50.9 41.4 62.0

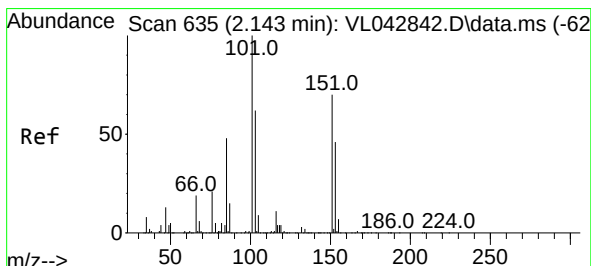
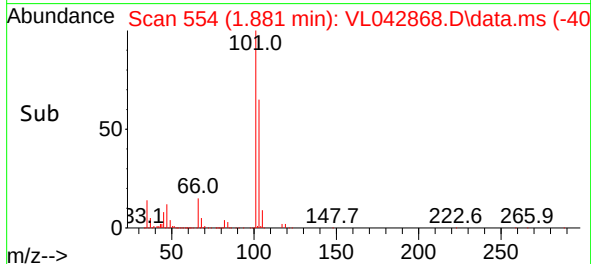
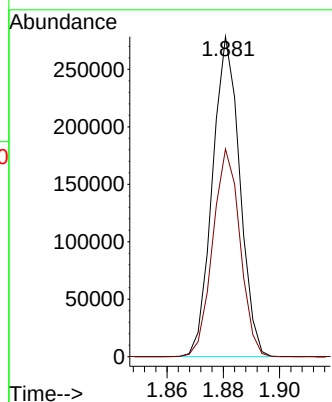
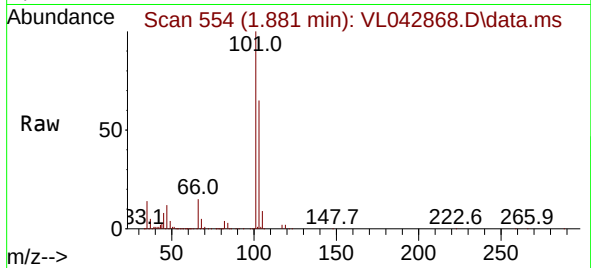




#11
 Trichlorofluoromethane
 Concen: 10.043 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL042868.D
 Acq: 21 Aug 2025 16:24

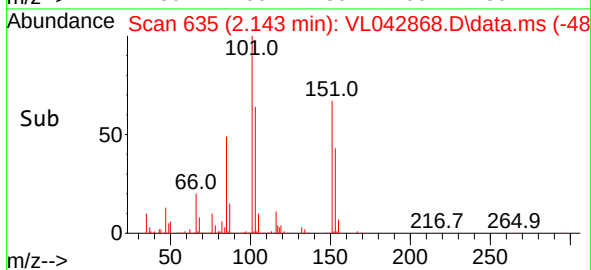
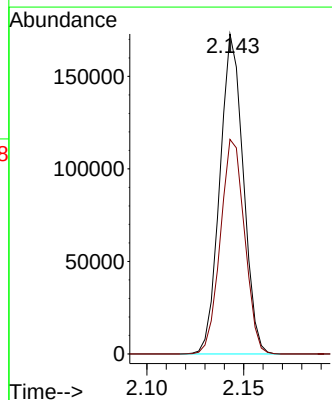
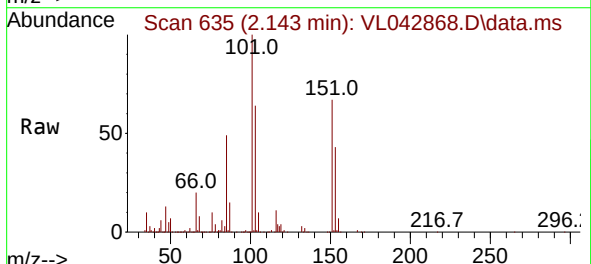
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0821ABS01

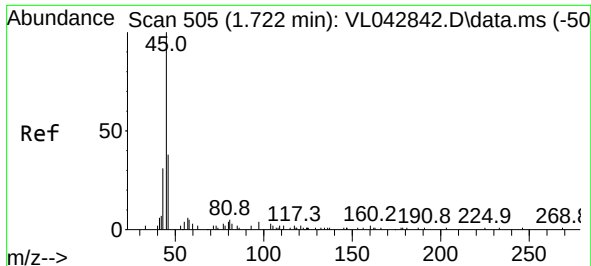
Tgt Ion:101 Resp: 187585
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.759 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: VL042868.D
 Acq: 21 Aug 2025 16:24

Tgt Ion:101 Resp: 145290
 Ion Ratio Lower Upper
 101 100
 151 69.3 56.4 84.6

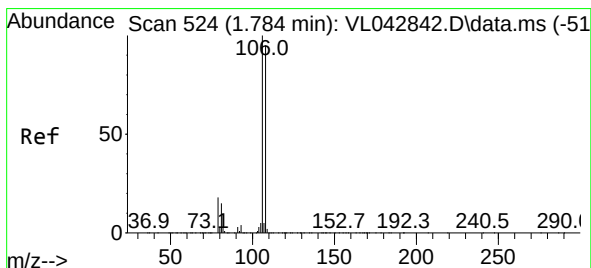
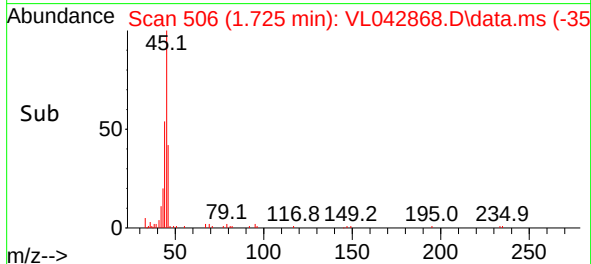
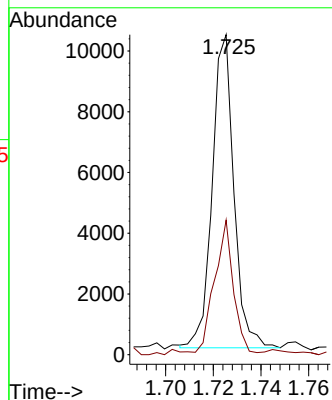
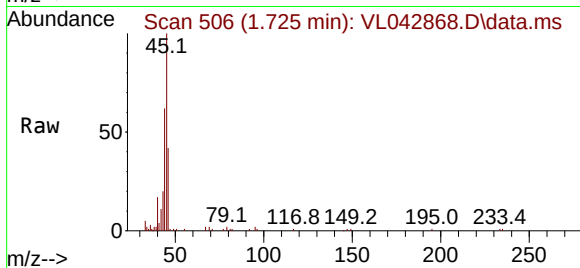




#13
Ethanol
Concen: 7.866 ppbv
RT: 1.725 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

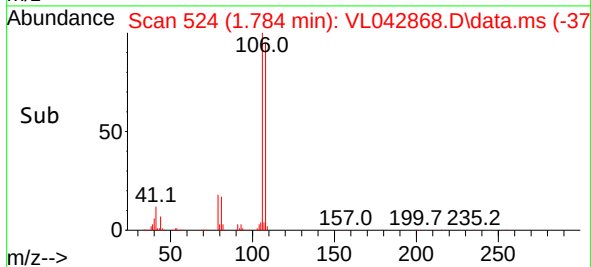
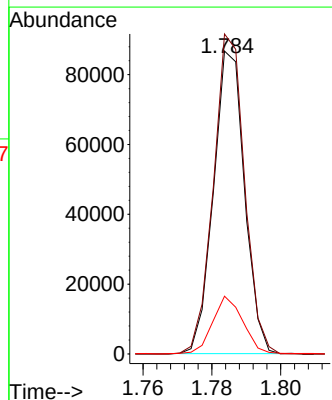
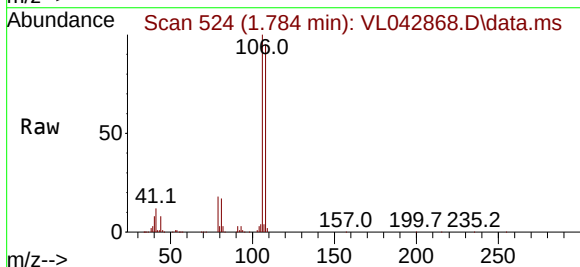
Instrument :
MSVOA_1
ClientSampleId :
VL0821ABS01

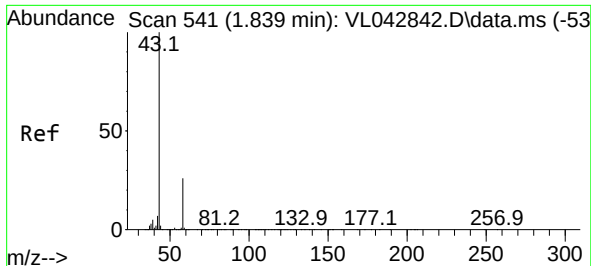
Tgt Ion: 45 Resp: 6500
Ion Ratio Lower Upper
45 100
46 41.0 17.5 69.9



#14
Bromoethene
Concen: 10.051 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

Tgt Ion: 108 Resp: 54170
Ion Ratio Lower Upper
108 100
106 106.3 85.1 127.7
79 19.2 16.3 24.5

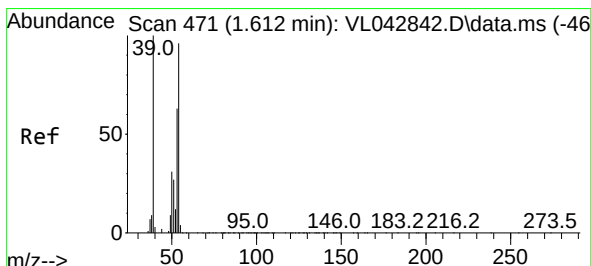
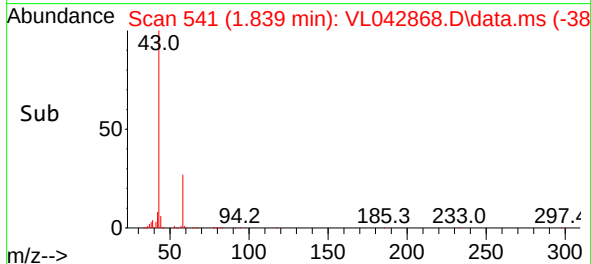
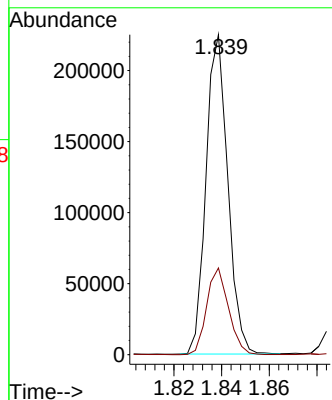
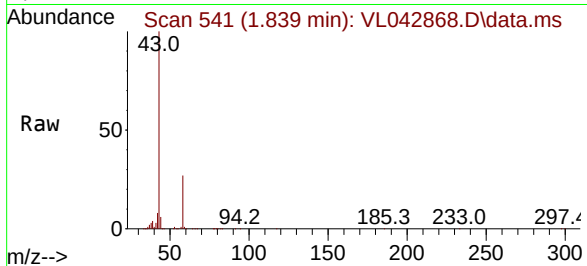




#15
Acetone
Concen: 8.367 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.000 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

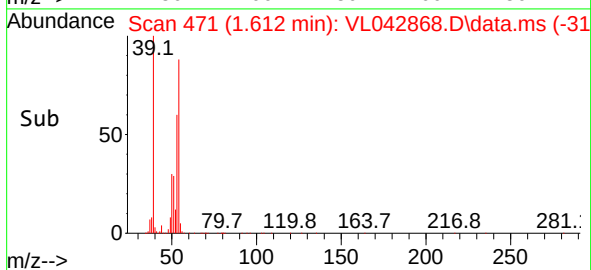
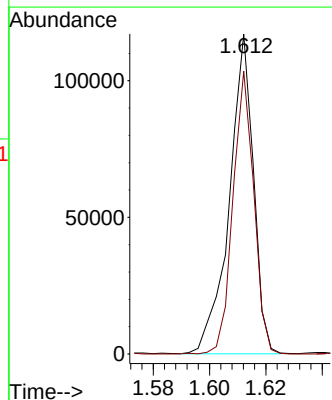
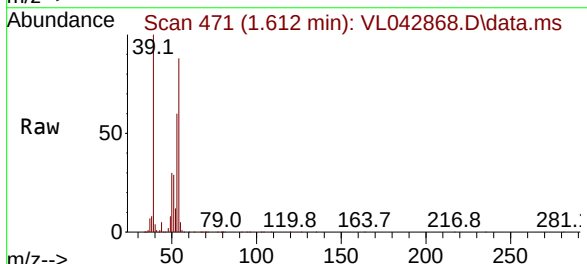
Instrument :
MSVOA_L
ClientSampleId :
VL0821ABS01

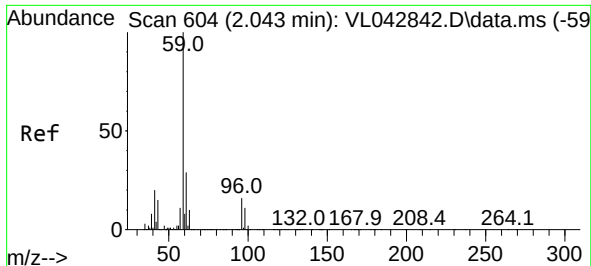
Tgt Ion: 43 Resp: 142967
Ion Ratio Lower Upper
43 100
58 27.4 22.4 33.6



#16
1,3-Butadiene
Concen: 9.006 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

Tgt Ion: 39 Resp: 69767
Ion Ratio Lower Upper
39 100
54 76.2 63.6 95.4





#17

tert-Butyl alcohol

Concen: 8.766 ppbv

RT: 2.043 min Scan# 604

Delta R.T. -0.000 min

Lab File: VL042868.D

Acq: 21 Aug 2025 16:24

Instrument :

MSVOA_1

ClientSampleId :

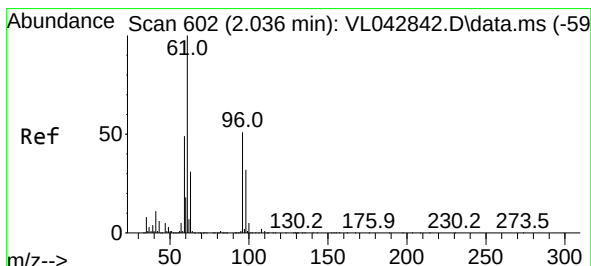
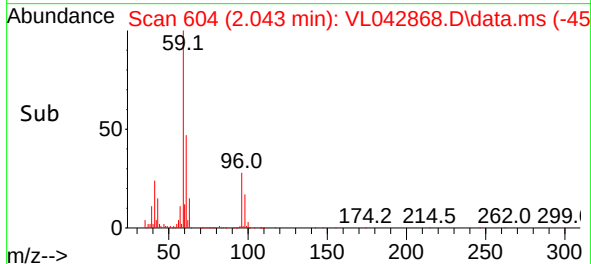
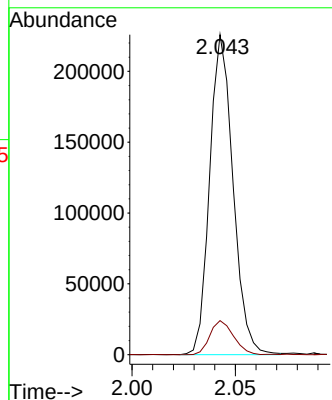
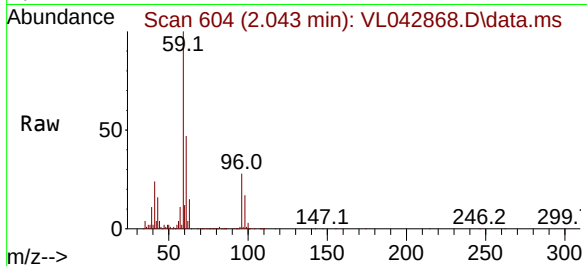
VL0821ABS01

Tgt Ion: 59 Resp: 177633

Ion Ratio Lower Upper

59 100

57 10.8 9.0 13.4



#18

1,1-Dichloroethene

Concen: 10.099 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL042868.D

Acq: 21 Aug 2025 16:24

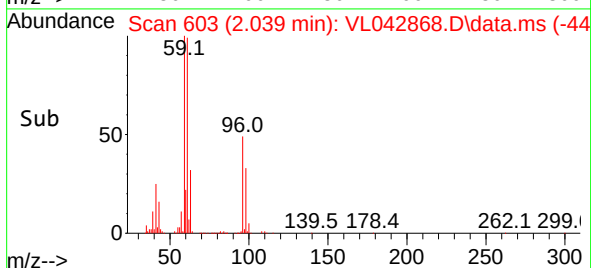
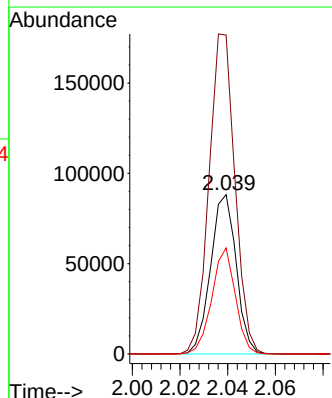
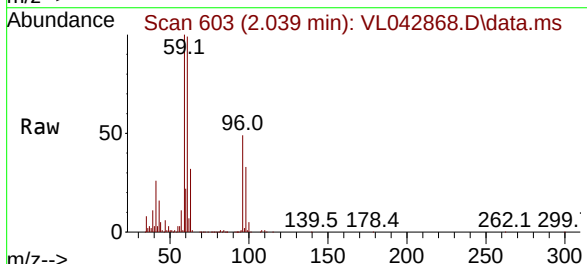
Tgt Ion: 96 Resp: 66095

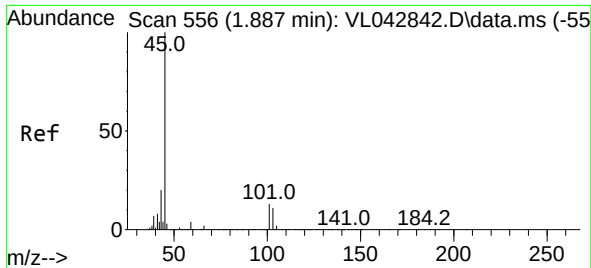
Ion Ratio Lower Upper

96 100

61 200.1 158.2 237.4

98 66.6 50.6 76.0

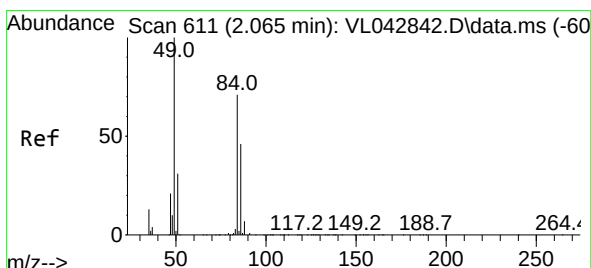
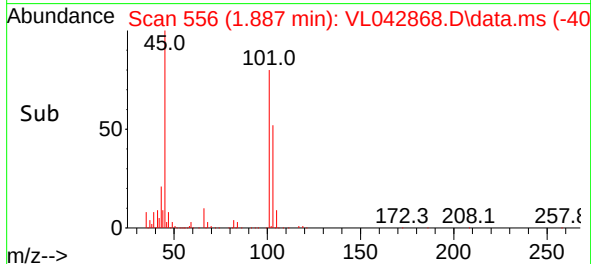
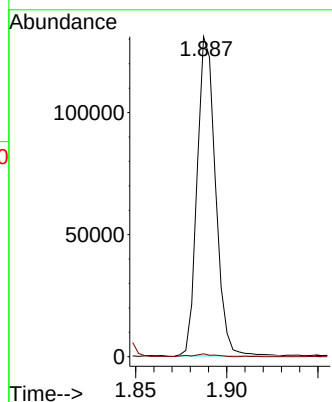
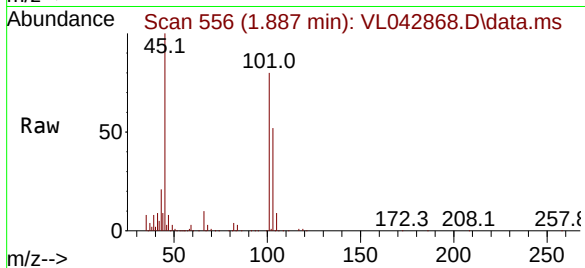




#19
Isopropyl Alcohol
Concen: 9.007 ppbv
RT: 1.887 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

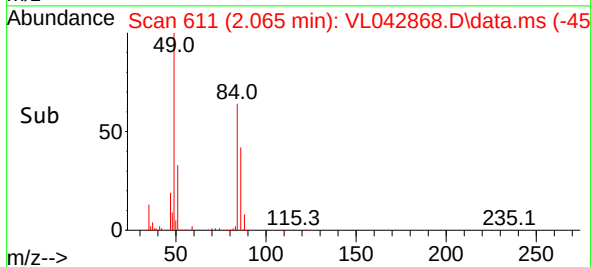
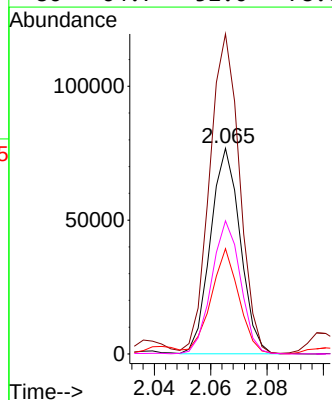
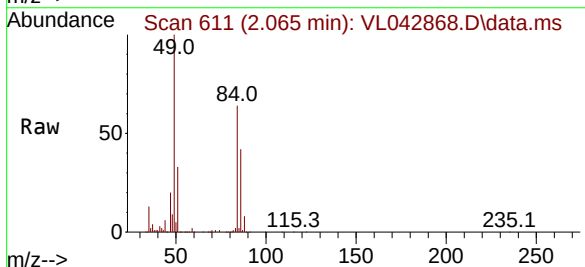
Instrument :
MSVOA_L
ClientSampleId :
VL0821ABS01

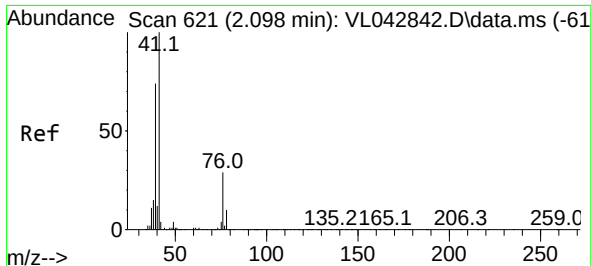
Tgt Ion: 45 Resp: 91925
Ion Ratio Lower Upper
45 100
58 42.7 32.7 49.1



#20
Methylene Chloride
Concen: 7.885 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

Tgt Ion: 84 Resp: 56441
Ion Ratio Lower Upper
84 100
49 155.5 112.3 168.5
51 51.0 36.0 54.0
86 64.7 52.0 78.0

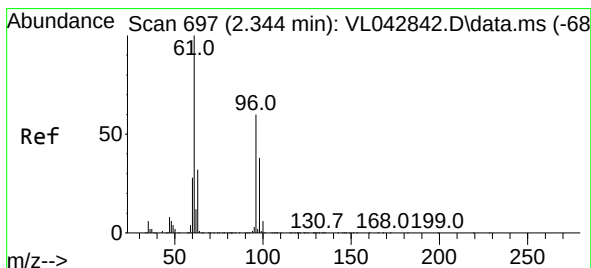
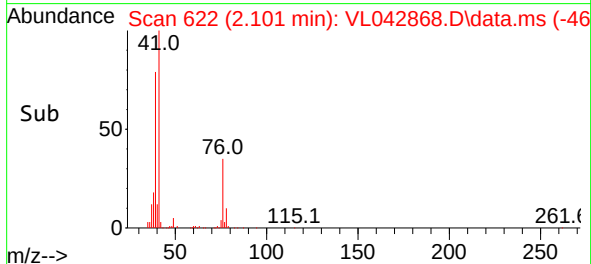
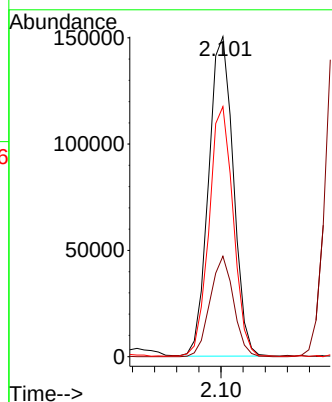
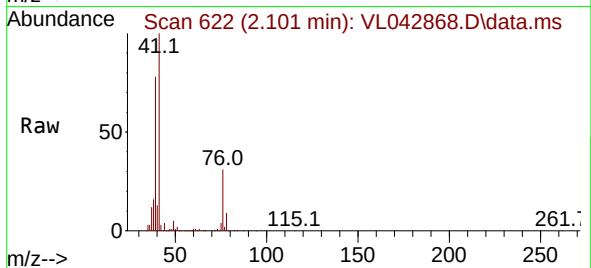




#21
 Allyl Chloride
 Concen: 9.673 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042868.D
 Acq: 21 Aug 2025 16:24

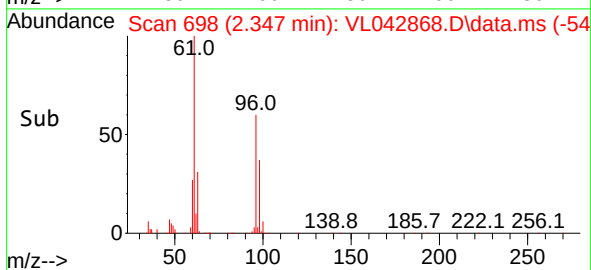
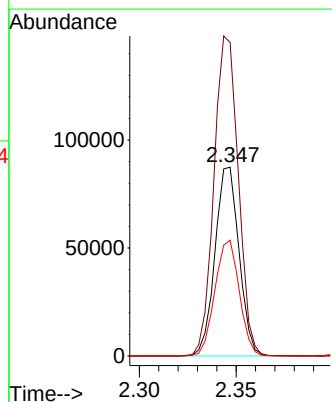
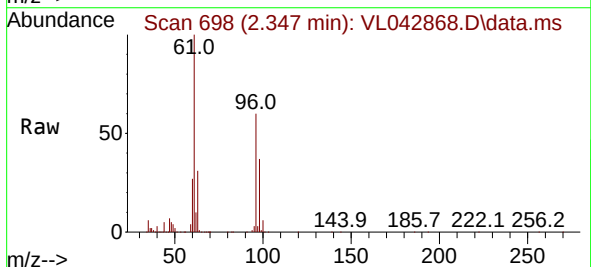
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0821ABS01

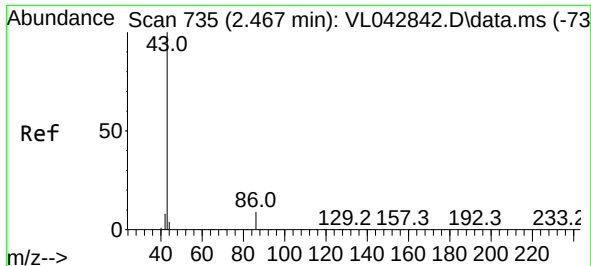
Tgt Ion: 41 Resp: 116767
 Ion Ratio Lower Upper
 41 100
 76 29.8 23.9 35.9
 39 76.2 57.8 86.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.959 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.003 min
 Lab File: VL042868.D
 Acq: 21 Aug 2025 16:24

Tgt Ion: 96 Resp: 75407
 Ion Ratio Lower Upper
 96 100
 61 166.0 132.6 199.0
 98 61.3 50.0 75.0



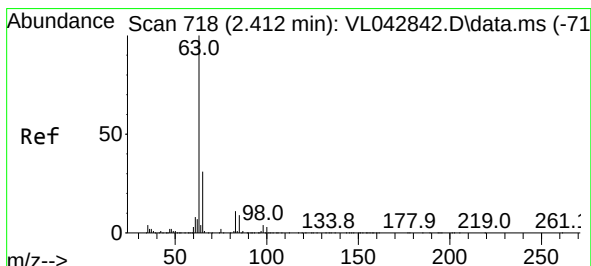
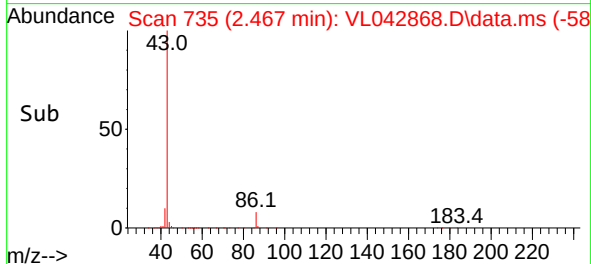
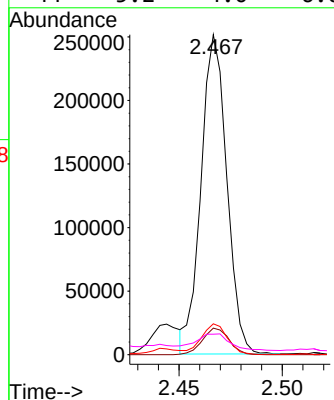
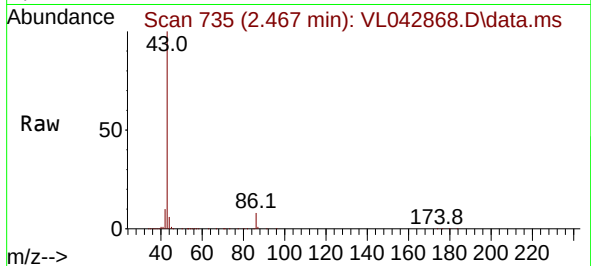


#23
 Vinyl Acetate
 Concen: 9.263 ppbv
 RT: 2.467 min Scan# 719
 Delta R.T. -0.000 min
 Lab File: VL042868.D
 Acq: 21 Aug 2025 16:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0821ABS01

Tgt Ion: 43 Resp: 217643

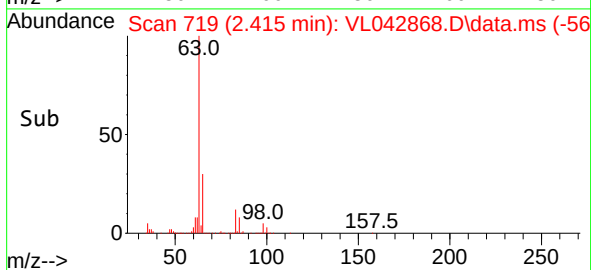
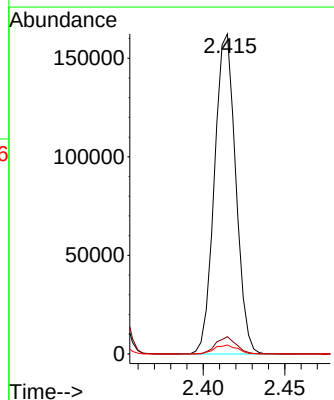
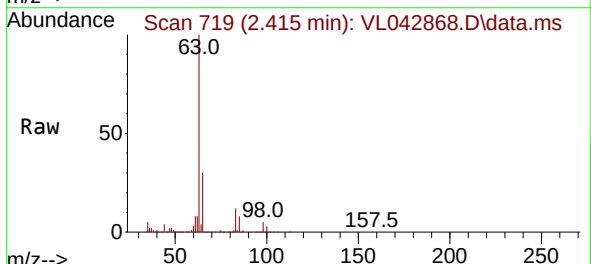
Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.6	9.8
42	9.6	7.0	10.6
44	5.2	4.0	6.0

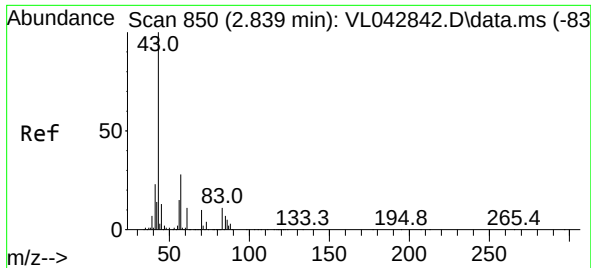


#24
 1,1-Dichloroethane
 Concen: 9.738 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL042868.D
 Acq: 21 Aug 2025 16:24

Tgt Ion: 63 Resp: 147252

Ion	Ratio	Lower	Upper
63	100		
98	5.4	2.1	6.5
100	2.8	1.7	5.1

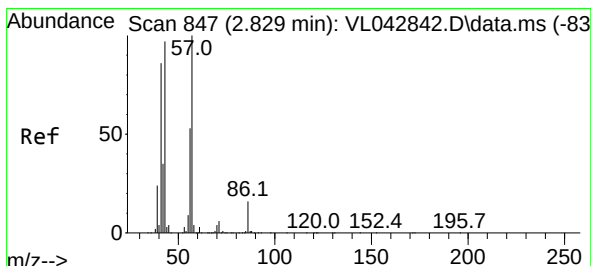
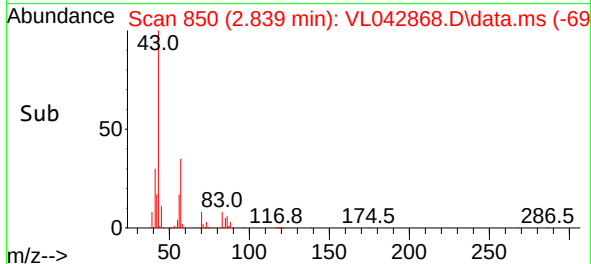
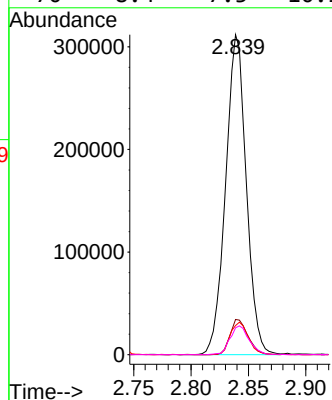
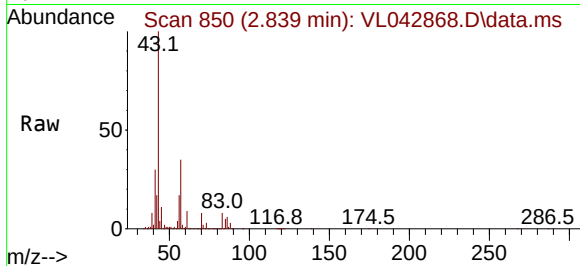




#25
Ethyl Acetate
Concen: 9.455 ppbv
RT: 2.839 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

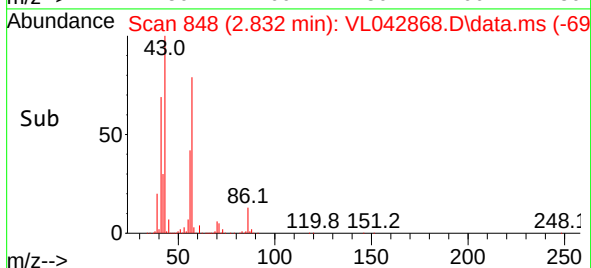
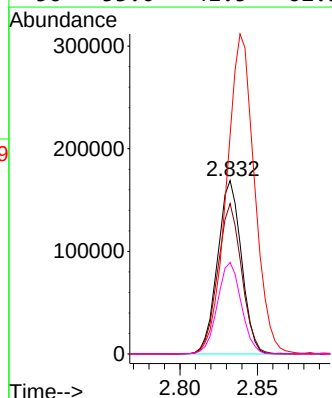
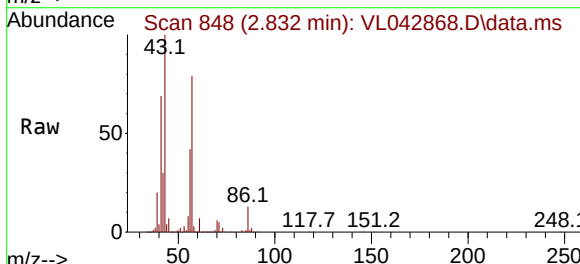
Instrument :
MSVOA_L
ClientSampleId :
VL0821ABS01

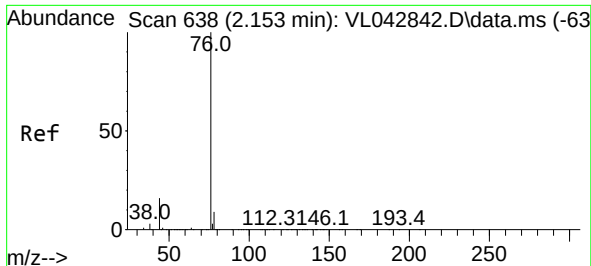
Tgt Ion:	43	Resp:	391006
Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.1	12.1
61	9.0	7.4	11.2
70	8.4	7.3	10.9



#26
Hexane
Concen: 9.454 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

Tgt Ion:	57	Resp:	180474
Ion	Ratio	Lower	Upper
57	100		
41	88.0	68.6	103.0
43	217.6	168.5	252.7
56	53.0	41.5	62.3

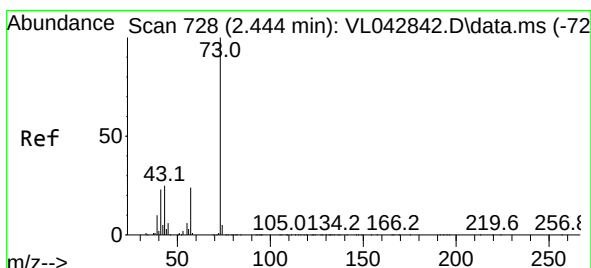
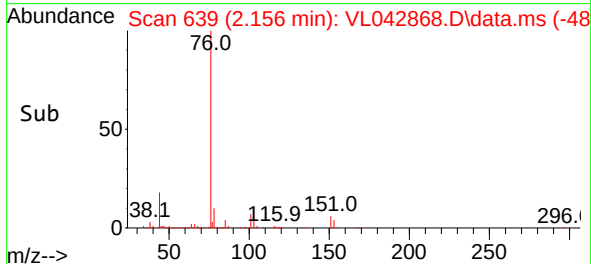
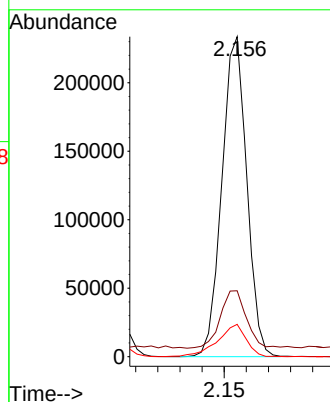
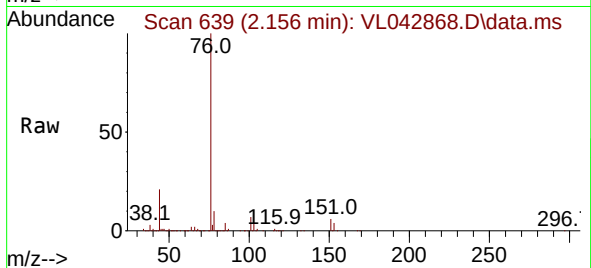




#27
Carbon Disulfide
Concen: 9.825 ppbv
RT: 2.156 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

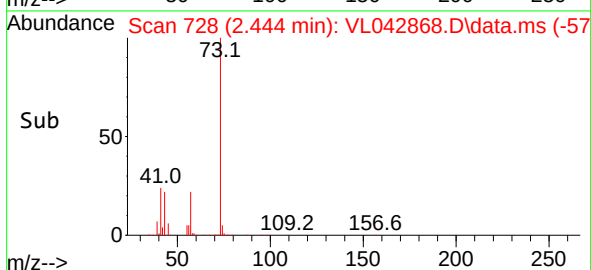
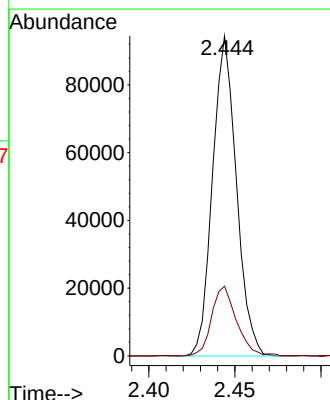
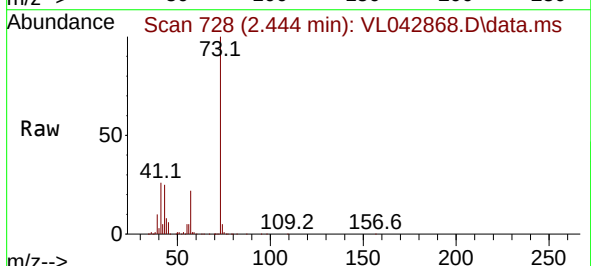
Instrument :
MSVOA_1
ClientSampleId :
VL0821ABS01

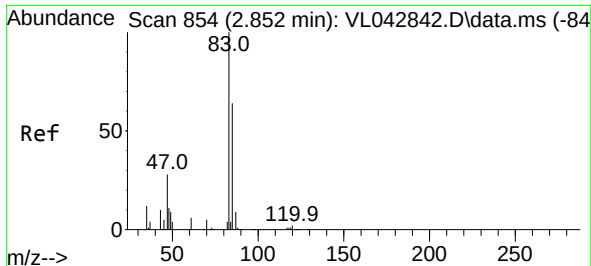
Tgt Ion: 76 Resp: 182512
Ion Ratio Lower Upper
76 100
44 20.3 15.9 23.9
78 11.7 9.5 14.3



#28
Methyl tert-Butyl Ether
Concen: 9.353 ppbv
RT: 2.444 min Scan# 728
Delta R.T. -0.000 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

Tgt Ion: 73 Resp: 91041
Ion Ratio Lower Upper
73 100
57 22.9 21.6 32.4





#29

Chloroform

Concen: 10.015 ppbv

RT: 2.855 min Scan# 855

Delta R.T. 0.003 min

Lab File: VL042868.D

Acq: 21 Aug 2025 16:24

Instrument :

MSVOA_L

ClientSampleId :

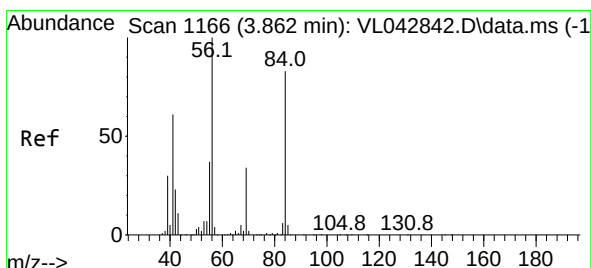
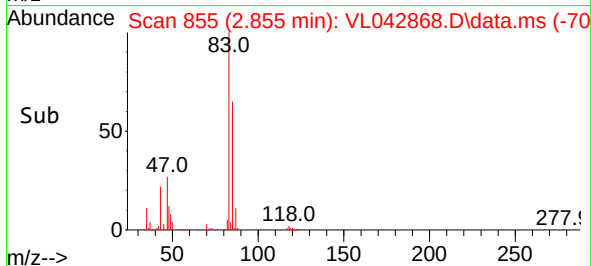
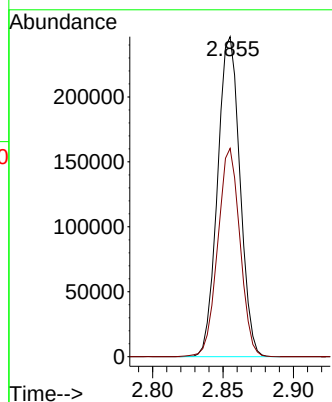
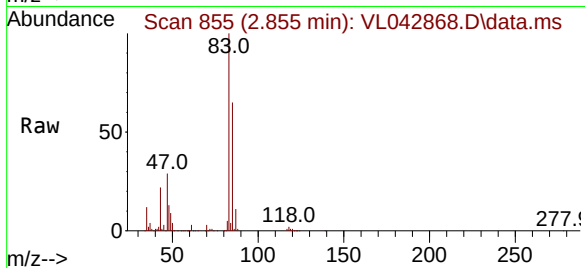
VL0821ABS01

Tgt Ion: 83 Resp: 272966

Ion Ratio Lower Upper

83 100

85 65.1 51.1 76.7



#30

Cyclohexane

Concen: 9.358 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.003 min

Lab File: VL042868.D

Acq: 21 Aug 2025 16:24

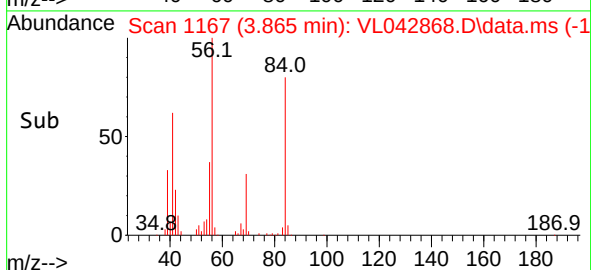
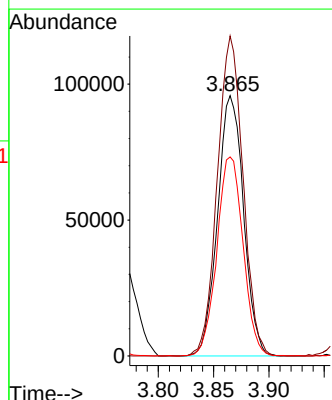
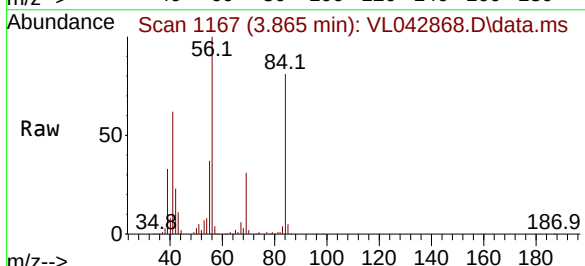
Tgt Ion: 84 Resp: 156618

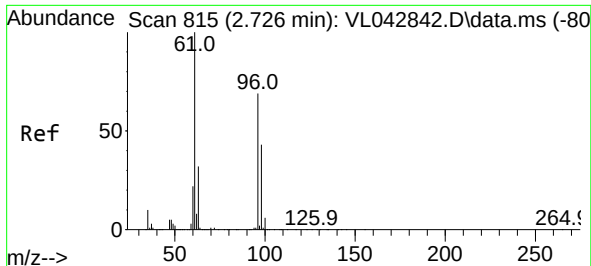
Ion Ratio Lower Upper

84 100

56 121.3 98.8 148.2

41 77.1 61.3 91.9

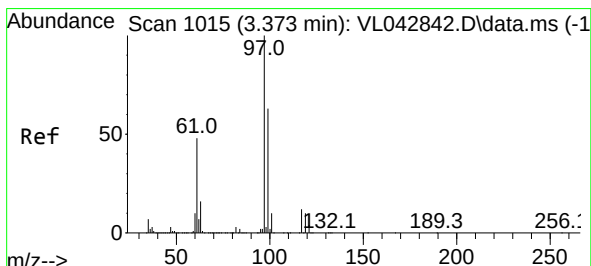
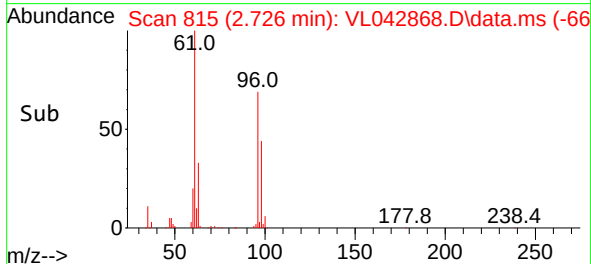
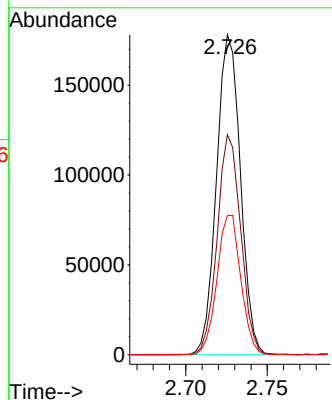
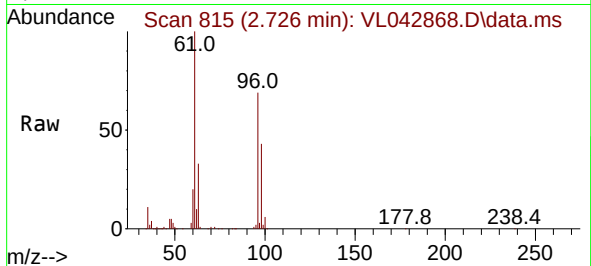




#31
 cis-1,2-Dichloroethene
 Concen: 9.543 ppbv
 RT: 2.726 min Scan# 815
 Delta R.T. -0.000 min
 Lab File: VL042868.D
 Acq: 21 Aug 2025 16:24

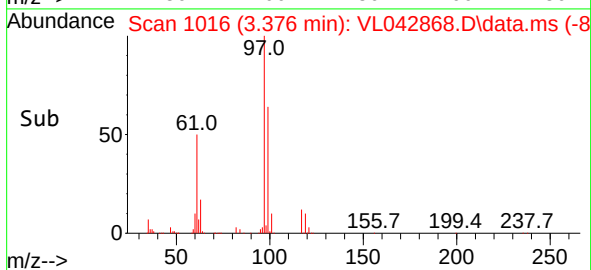
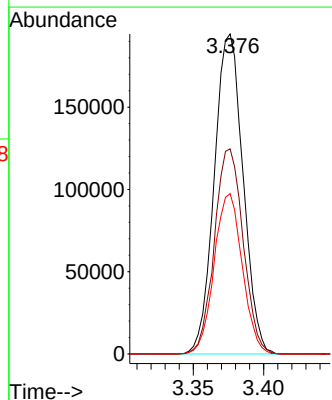
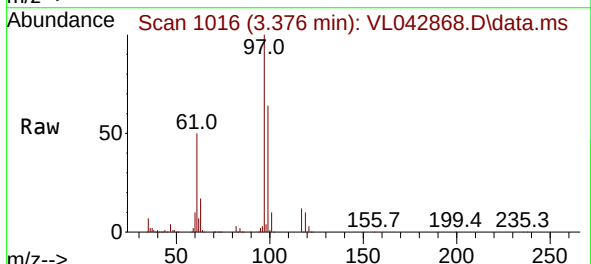
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0821ABS01

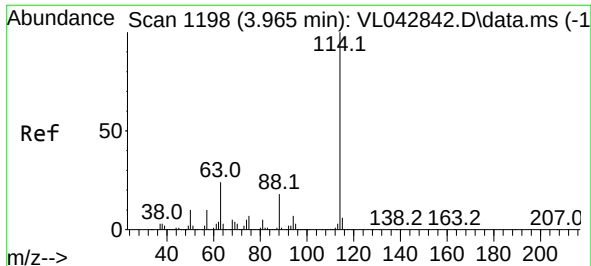
Tgt Ion: 61 Resp: 181954
 Ion Ratio Lower Upper
 61 100
 96 68.7 55.0 82.6
 98 43.4 34.3 51.5



#32
 1,1,1-Trichloroethane
 Concen: 9.605 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.003 min
 Lab File: VL042868.D
 Acq: 21 Aug 2025 16:24

Tgt Ion: 97 Resp: 276651
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.0 76.6
 61 49.1 38.0 57.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.000 min

Lab File: VL042868.D

Acq: 21 Aug 2025 16:24

Instrument :

MSVOA_L

ClientSampleId :

VL0821ABS01

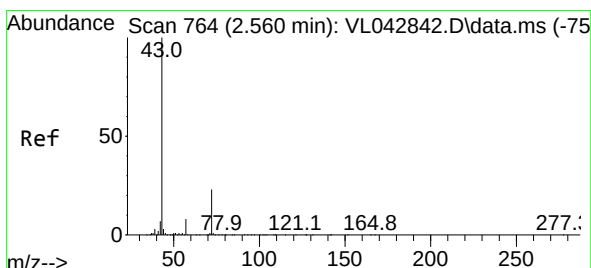
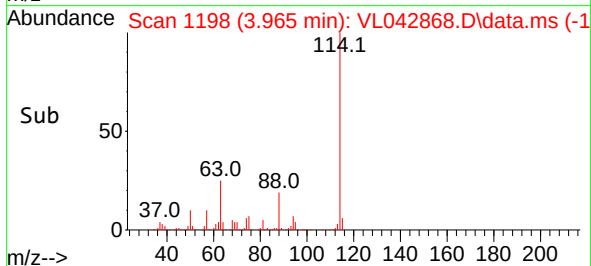
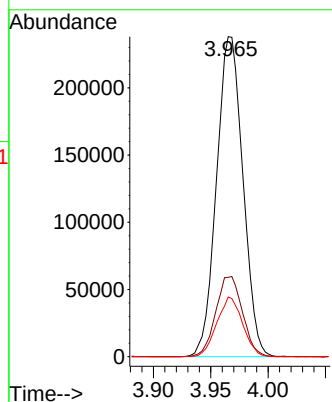
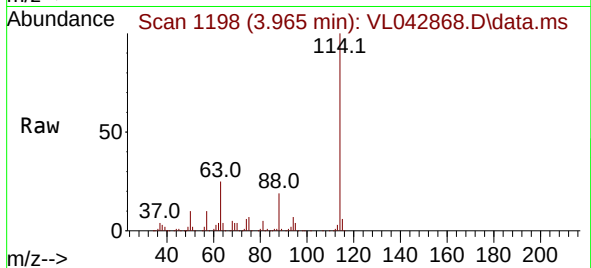
Tgt Ion:114 Resp: 381111

Ion Ratio Lower Upper

114 100

63 25.4 19.7 29.5

88 18.2 14.4 21.6



#34

2-Butanone

Concen: 9.982 ppbv

RT: 2.560 min Scan# 764

Delta R.T. -0.000 min

Lab File: VL042868.D

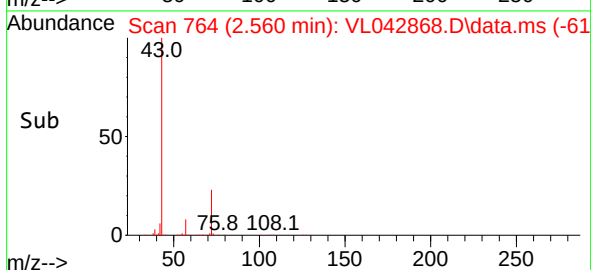
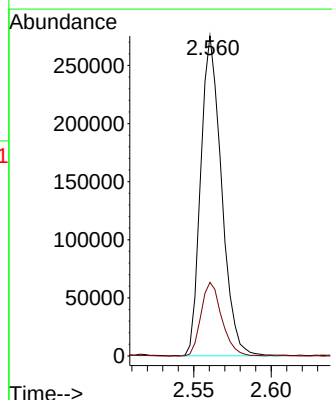
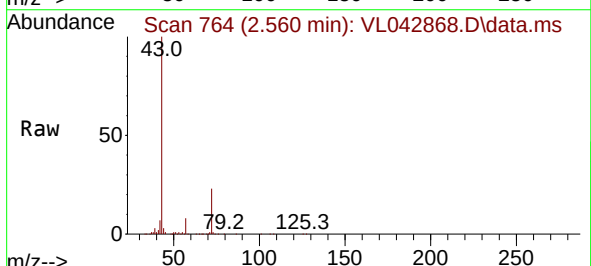
Acq: 21 Aug 2025 16:24

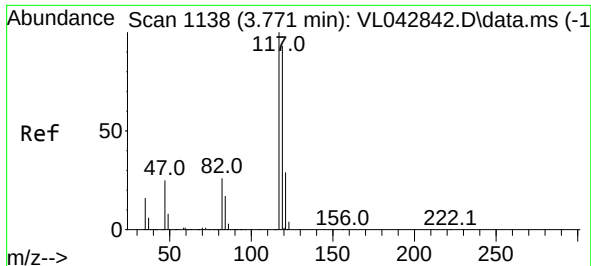
Tgt Ion: 43 Resp: 256883

Ion Ratio Lower Upper

43 100

72 23.2 18.6 28.0

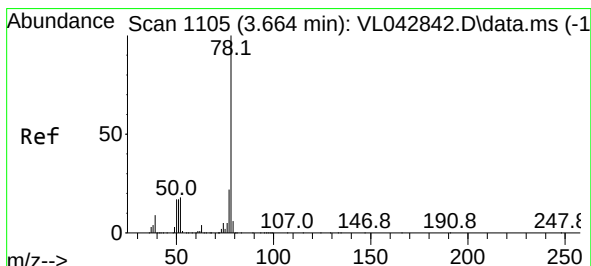
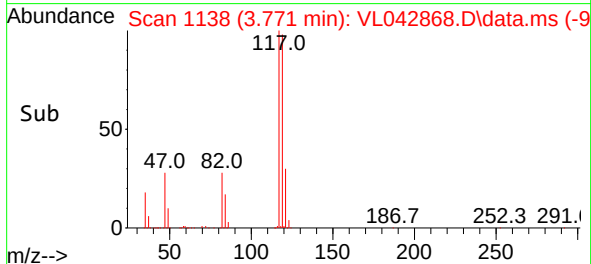
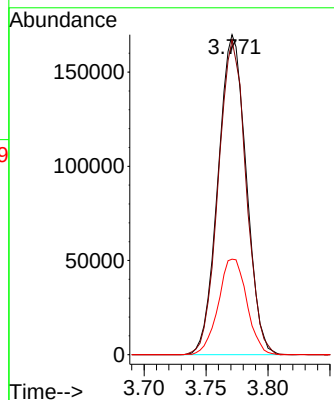
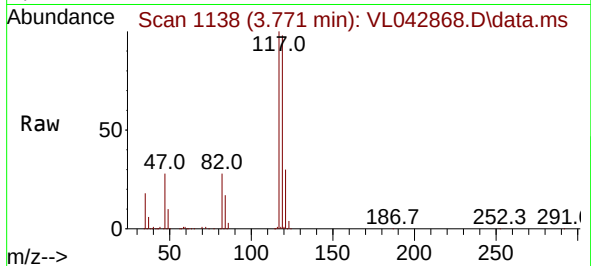




#35
Carbon Tetrachloride
Concen: 10.245 ppbv
RT: 3.771 min Scan# 1138
Delta R.T. -0.000 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

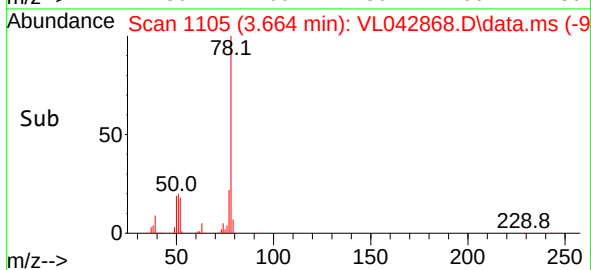
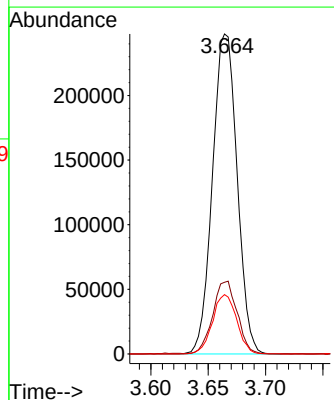
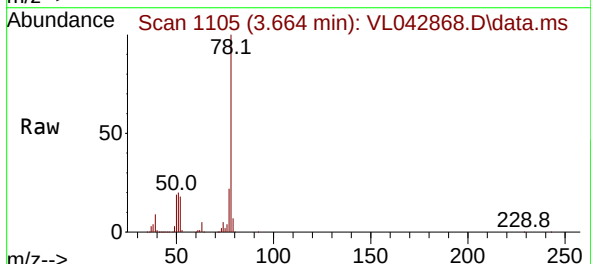
Instrument :
MSVOA_L
ClientSampleId :
VL0821ABS01

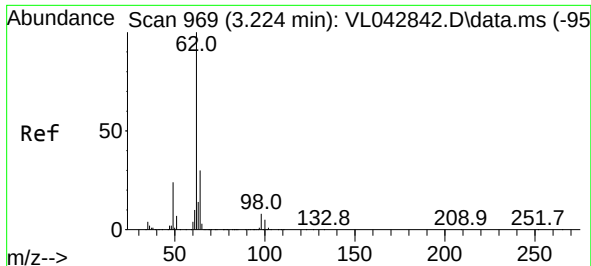
Tgt Ion:117 Resp: 269164
Ion Ratio Lower Upper
117 100
119 98.2 74.7 112.1
121 29.9 23.2 34.8



#36
Benzene
Concen: 10.146 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

Tgt Ion: 78 Resp: 370291
Ion Ratio Lower Upper
78 100
77 22.4 17.7 26.5
50 18.5 13.9 20.9





#37

1,2-Dichloroethane

Concen: 11.043 ppbv

RT: 3.224 min Scan# 969

Delta R.T. -0.000 min

Lab File: VL042868.D

Acq: 21 Aug 2025 16:24

Instrument :

MSVOA_L

ClientSampleId :

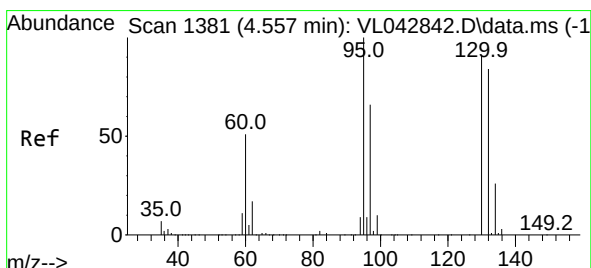
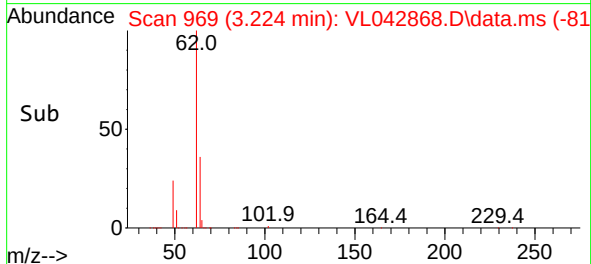
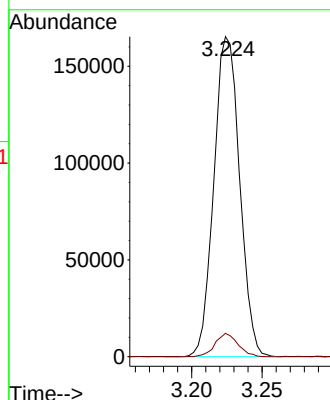
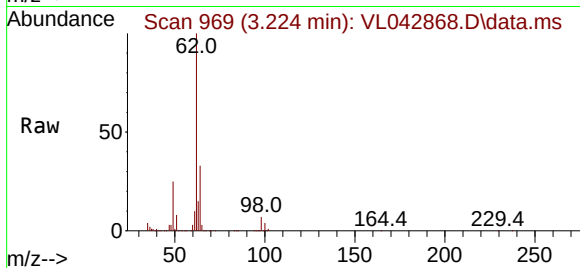
VL0821ABS01

Tgt Ion: 62 Resp: 210547

Ion Ratio Lower Upper

62 100

98 6.4 5.9 8.9



#38

Trichloroethene

Concen: 9.779 ppbv

RT: 4.557 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VL042868.D

Acq: 21 Aug 2025 16:24

Tgt Ion:130 Resp: 162981

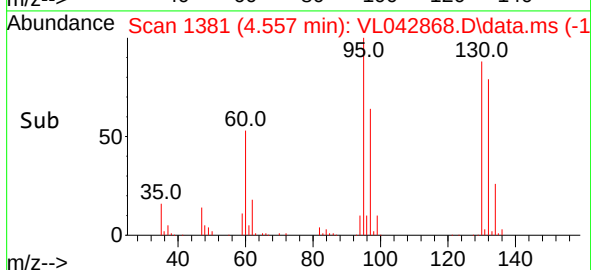
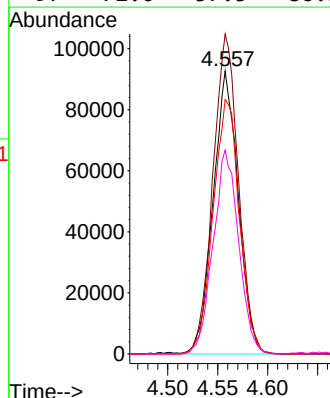
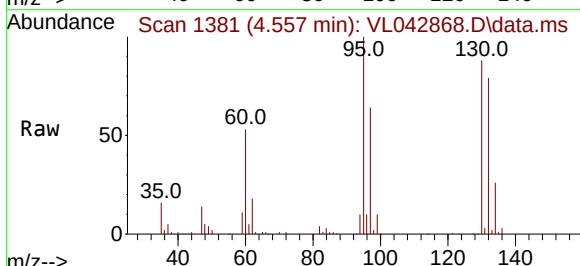
Ion Ratio Lower Upper

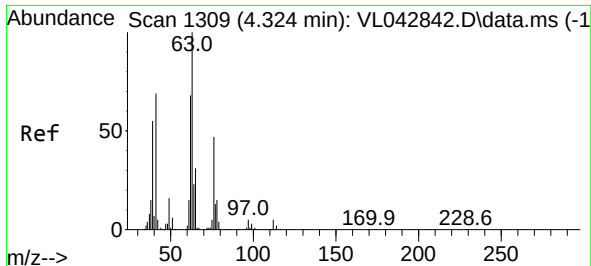
130 100

95 113.1 87.6 131.4

132 89.8 73.8 110.8

97 72.0 57.5 86.3





#39

1,2-Dichloropropane

Concen: 10.085 ppbv

RT: 4.321 min Scan# 1309

Delta R.T. -0.003 min

Lab File: VL042868.D

Acq: 21 Aug 2025 16:24

Instrument :

MSVOA_L

ClientSampleId :

VL0821ABS01

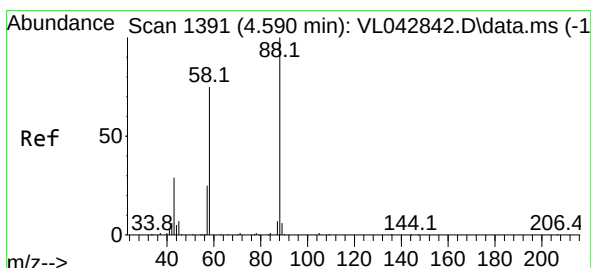
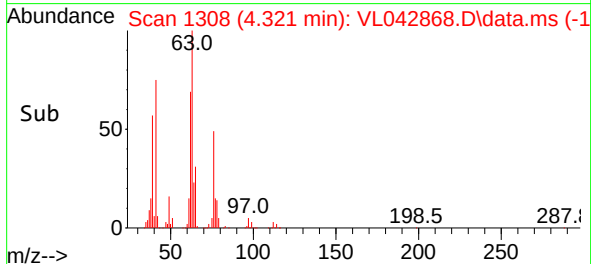
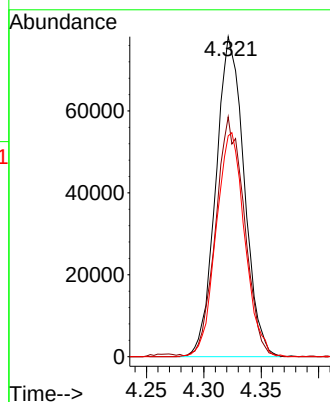
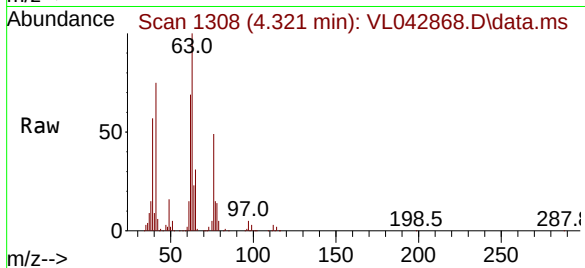
Tgt Ion: 63 Resp: 134416

Ion Ratio Lower Upper

63 100

41 74.7 55.0 82.4

62 68.9 54.4 81.6



#40

1,4-Dioxane

Concen: 9.161 ppbv

RT: 4.590 min Scan# 1391

Delta R.T. -0.000 min

Lab File: VL042868.D

Acq: 21 Aug 2025 16:24

Tgt Ion: 88 Resp: 58064

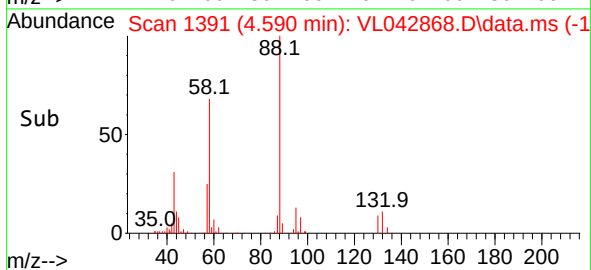
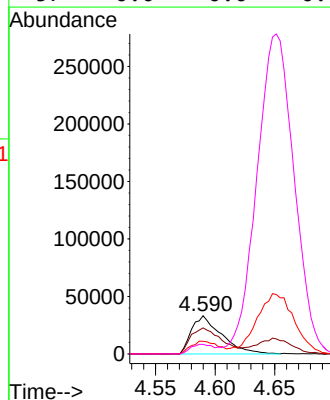
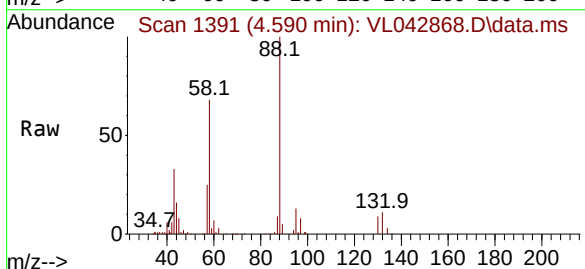
Ion Ratio Lower Upper

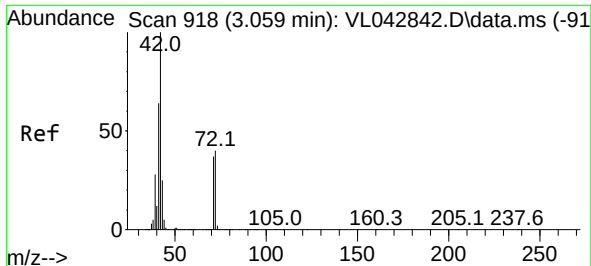
88 100

58 72.9 53.8 80.6

43 34.9 22.8 34.2#

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 9.949 ppbv

RT: 3.059 min Scan# 918

Delta R.T. -0.000 min

Lab File: VL042868.D

Acq: 21 Aug 2025 16:24

Instrument :

MSVOA_L

ClientSampleId :

VL0821ABS01

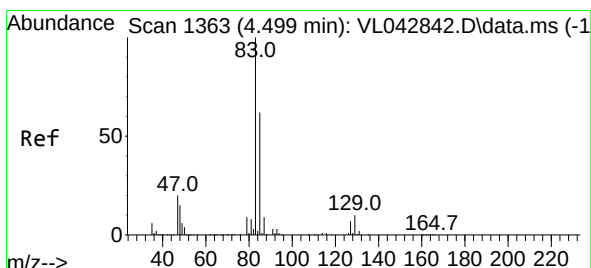
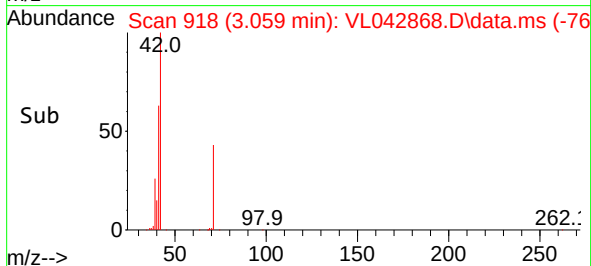
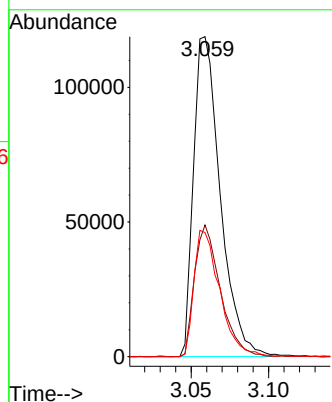
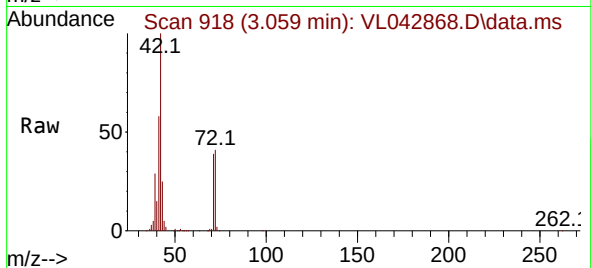
Tgt Ion: 42 Resp: 142741

Ion Ratio Lower Upper

42 100

72 39.8 32.6 48.8

71 38.3 30.0 45.0



#42

Bromodichloromethane

Concen: 10.661 ppbv

RT: 4.499 min Scan# 1363

Delta R.T. -0.000 min

Lab File: VL042868.D

Acq: 21 Aug 2025 16:24

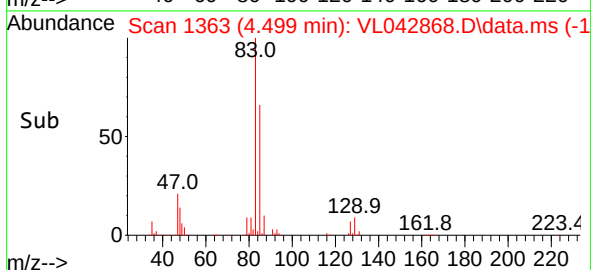
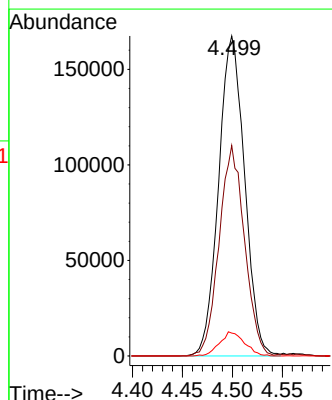
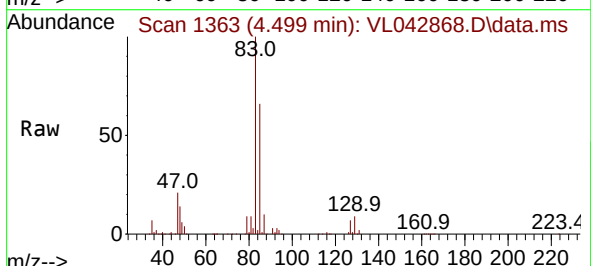
Tgt Ion: 83 Resp: 302898

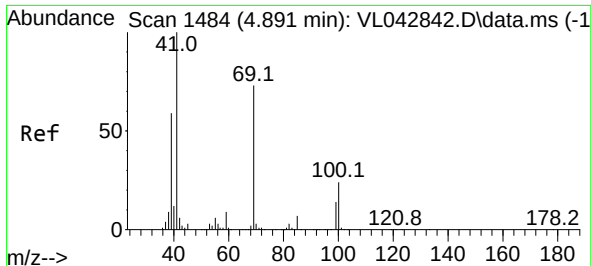
Ion Ratio Lower Upper

83 100

85 65.7 49.8 74.8

127 7.2 5.8 8.6

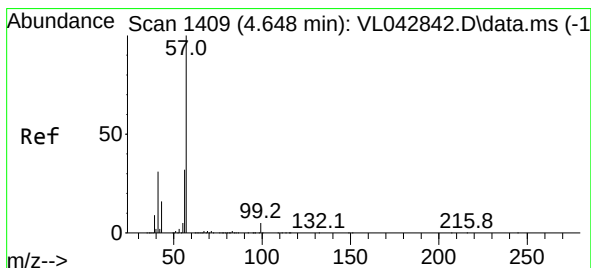
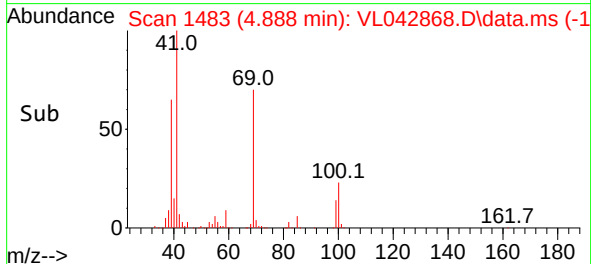
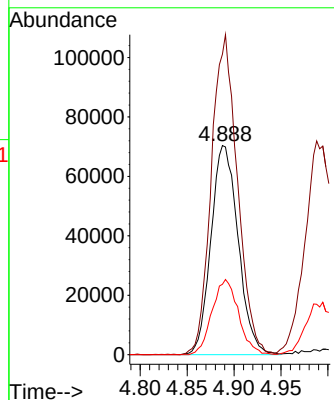
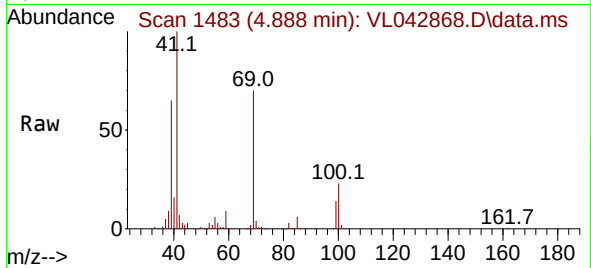




#43
Methyl Methacrylate
Concen: 9.424 ppbv
RT: 4.888 min Scan# 1410
Delta R.T. -0.003 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

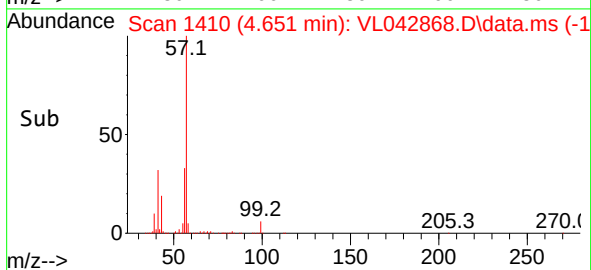
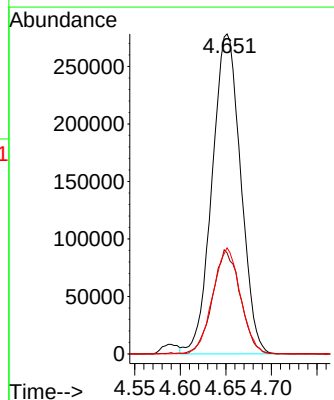
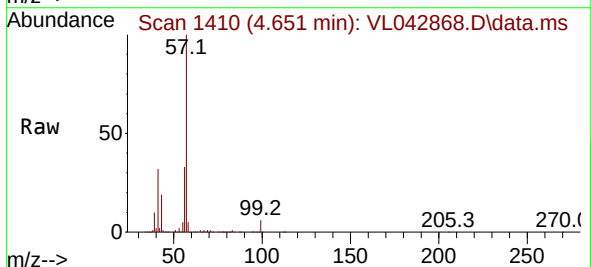
Instrument :
MSVOA_L
ClientSampleId :
VL0821ABS01

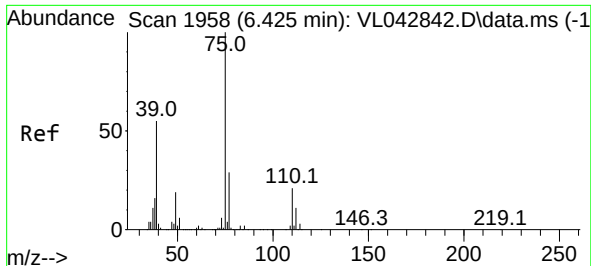
Tgt Ion: 69 Resp: 141681
Ion Ratio Lower Upper
69 100
41 147.2 114.6 172.0
100 35.0 30.2 45.4



#44
2,2,4-Trimethylpentane
Concen: 9.799 ppbv
RT: 4.651 min Scan# 1410
Delta R.T. 0.003 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

Tgt Ion: 57 Resp: 606952
Ion Ratio Lower Upper
57 100
41 31.9 24.8 37.2
56 32.2 25.5 38.3

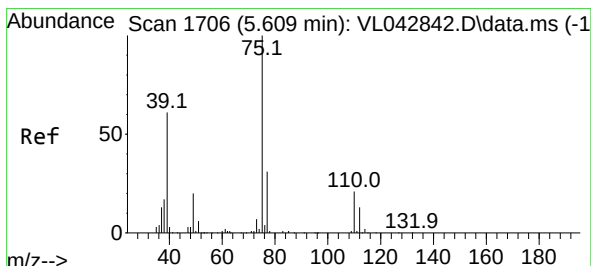
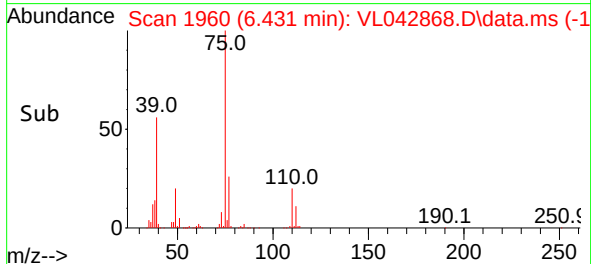
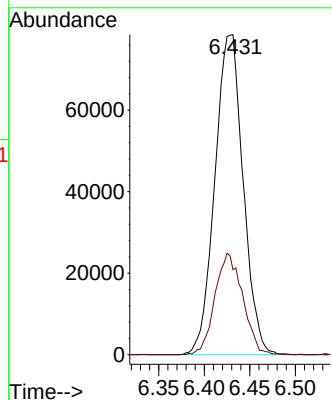
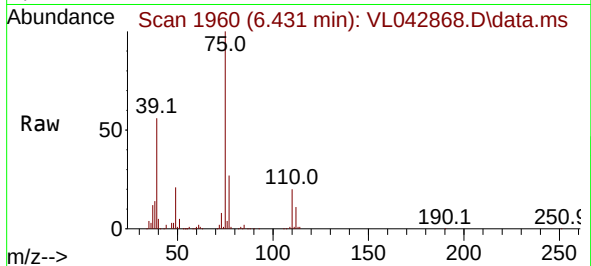




#45
t-1,3-Dichloropropene
Concen: 9.992 ppbv
RT: 6.431 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

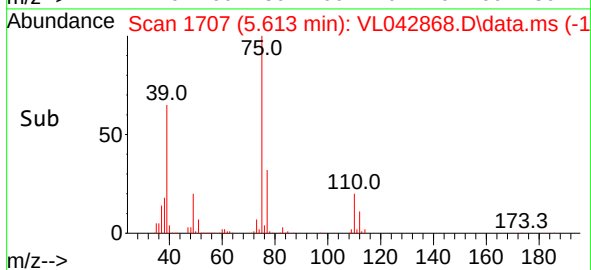
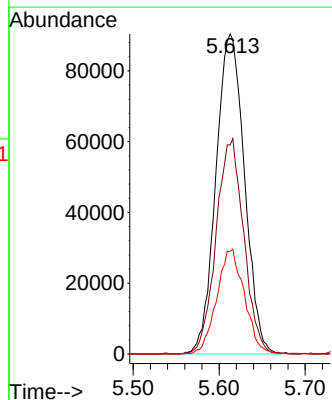
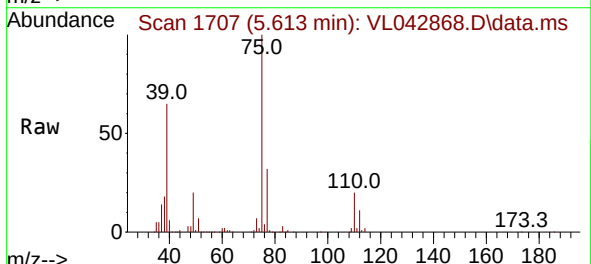
Instrument :
MSVOA_L
ClientSampleId :
VL0821ABS01

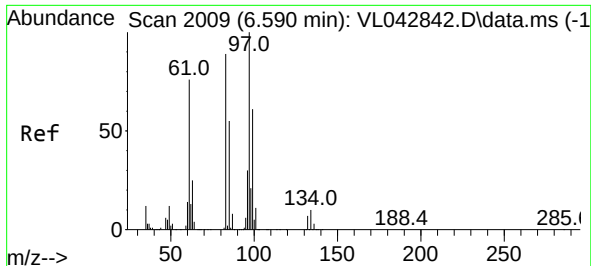
Tgt Ion: 75 Resp: 169529
Ion Ratio Lower Upper
75 100
77 26.5 23.8 35.6



#46
cis-1,3-Dichloropropene
Concen: 9.879 ppbv
RT: 5.613 min Scan# 1707
Delta R.T. 0.003 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

Tgt Ion: 75 Resp: 208849
Ion Ratio Lower Upper
75 100
39 65.3 48.9 73.3
77 32.0 24.9 37.3





#47

1,1,2-Trichloroethane

Concen: 9.951 ppbv

RT: 6.597 min Scan# 2009

Delta R.T. 0.006 min

Lab File: VL042868.D

Acq: 21 Aug 2025 16:24

Instrument :

MSVOA_L

ClientSampleId :

VL0821ABS01

Tgt Ion: 97 Resp: 140526

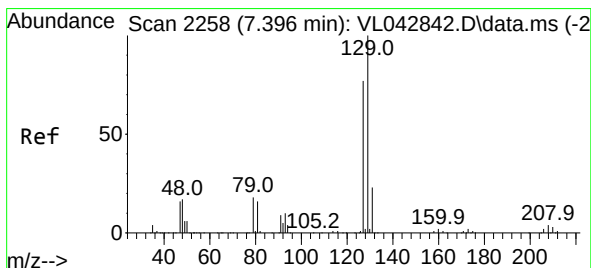
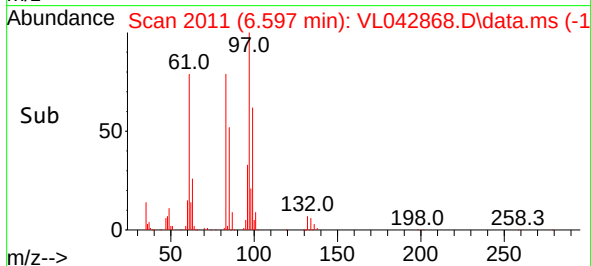
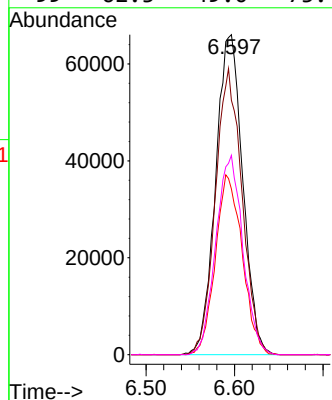
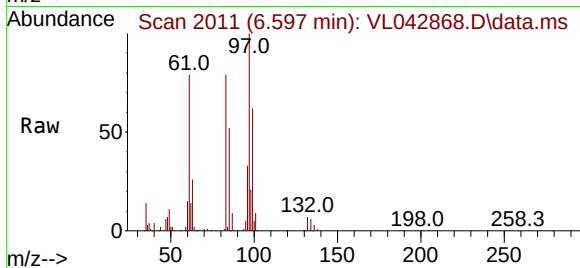
Ion Ratio Lower Upper

97 100

83 79.5 71.0 106.4

85 51.8 43.6 65.4

99 62.3 49.0 73.4



#48

Dibromochloromethane

Concen: 10.267 ppbv

RT: 7.396 min Scan# 2258

Delta R.T. -0.000 min

Lab File: VL042868.D

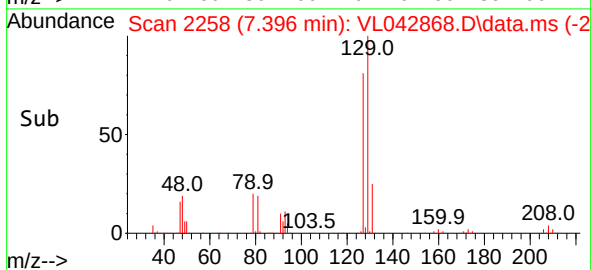
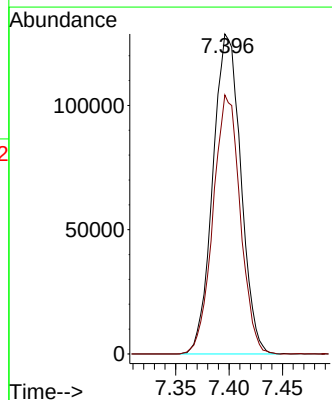
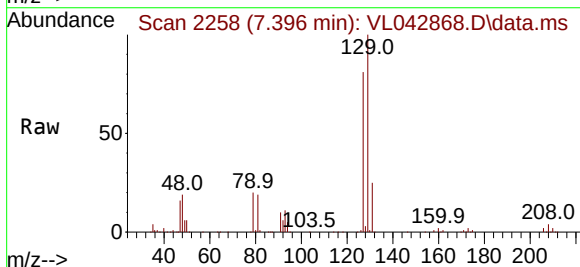
Acq: 21 Aug 2025 16:24

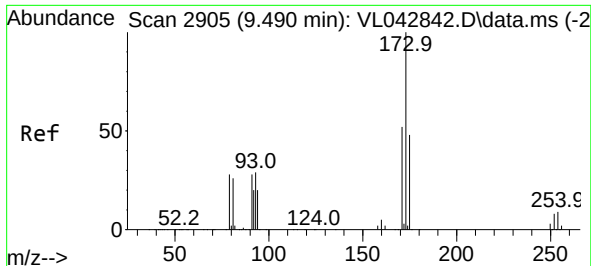
Tgt Ion: 129 Resp: 234624

Ion Ratio Lower Upper

129 100

127 78.6 39.4 118.2

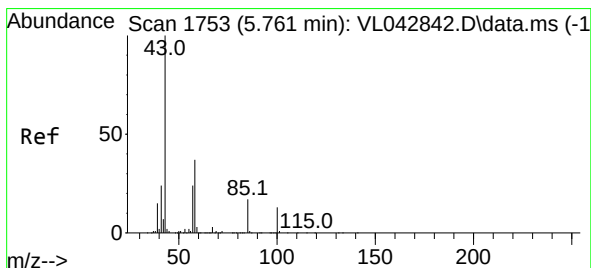
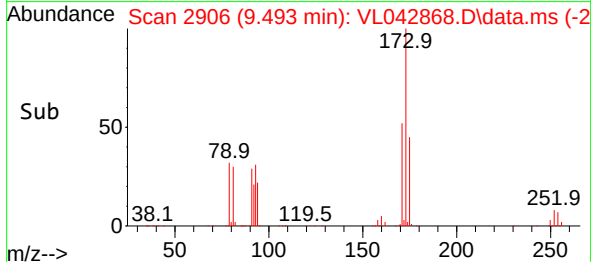
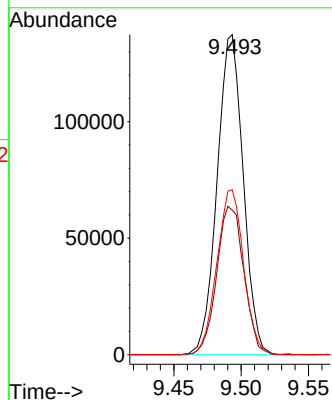
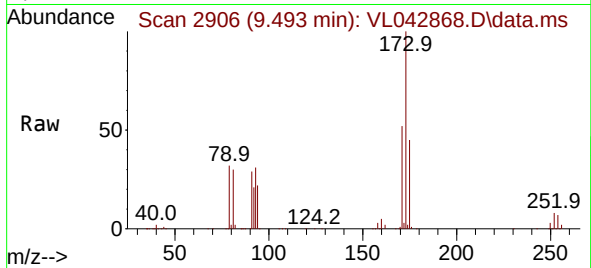




#49
Bromoform
Concen: 9.824 ppbv
RT: 9.493 min Scan# 2905
Delta R.T. 0.003 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

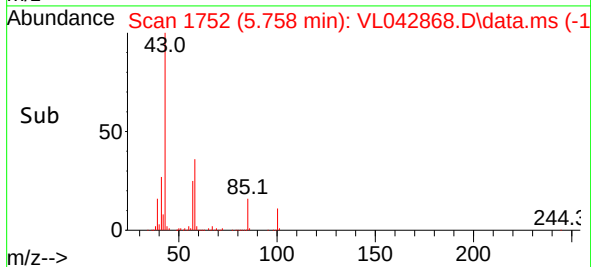
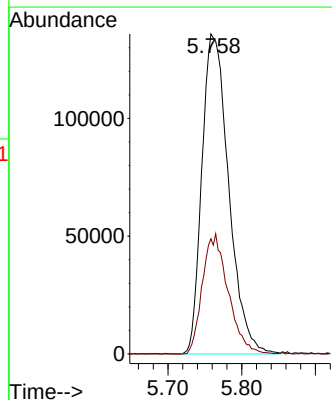
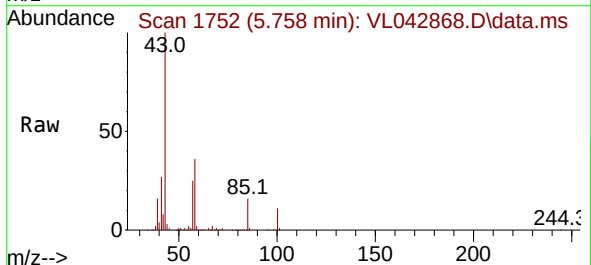
Instrument :
MSVOA_L
ClientSampleId :
VL0821ABS01

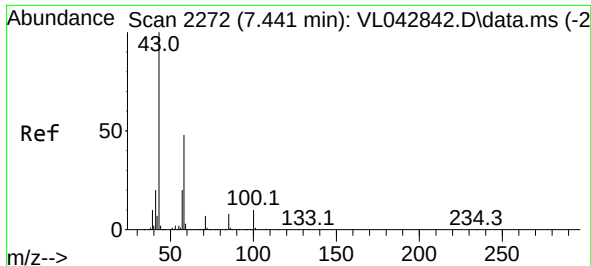
Tgt Ion:173 Resp: 185144
Ion Ratio Lower Upper
173 100
175 48.3 39.2 58.8
171 52.7 41.3 61.9



#50
4-Methyl-2-Pentanone
Concen: 9.853 ppbv
RT: 5.758 min Scan# 1752
Delta R.T. -0.003 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

Tgt Ion: 43 Resp: 342721
Ion Ratio Lower Upper
43 100
58 35.9 29.8 44.8

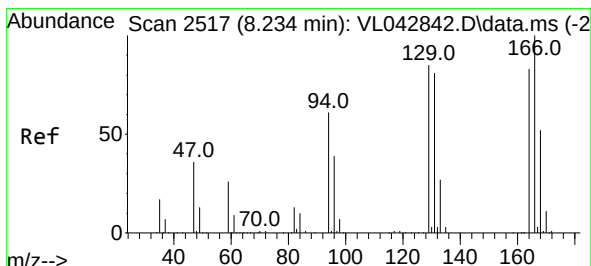
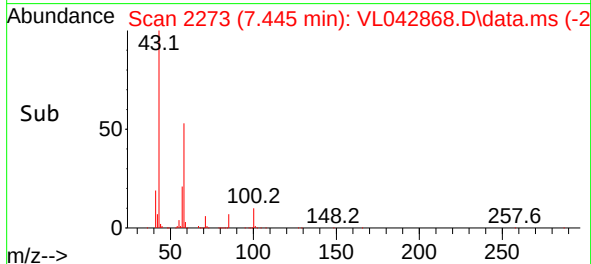
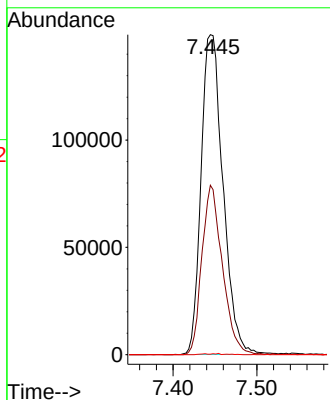
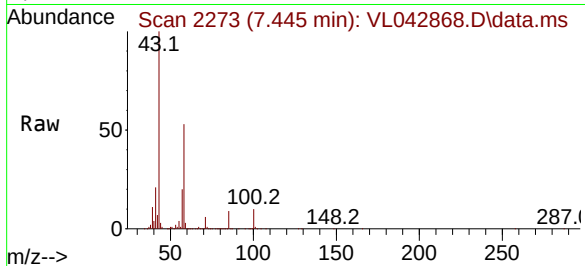




#51
2-Hexanone
Concen: 9.940 ppbv
RT: 7.445 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

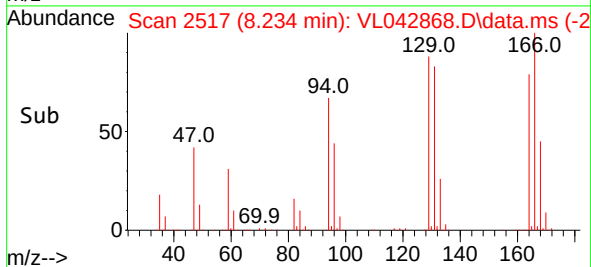
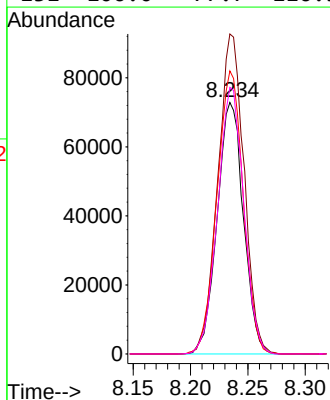
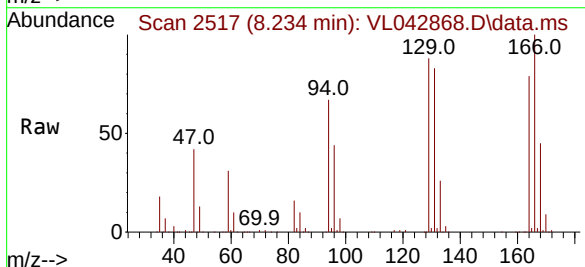
Instrument :
MSVOA_L
ClientSampleId :
VL0821ABS01

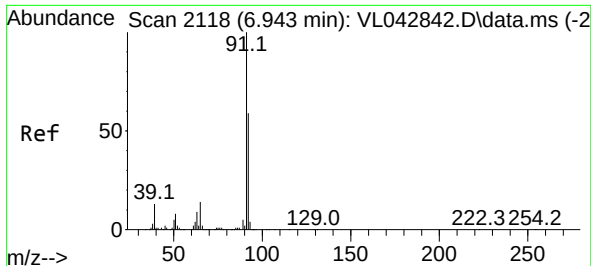
Tgt Ion: 43 Resp: 272084
Ion Ratio Lower Upper
43 100
58 49.6 41.0 61.6
98 0.3 0.1 0.1#



#52
Tetrachloroethene
Concen: 8.778 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. -0.000 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

Tgt Ion:164 Resp: 115888
Ion Ratio Lower Upper
164 100
166 127.2 96.5 144.7
129 112.5 81.8 122.6
131 106.0 77.7 116.5

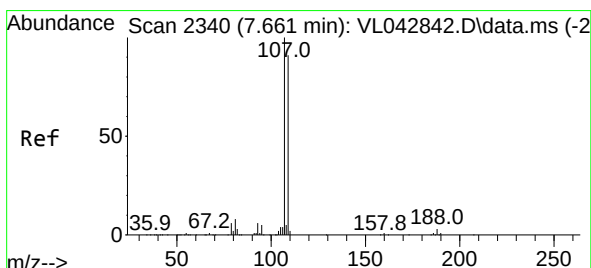
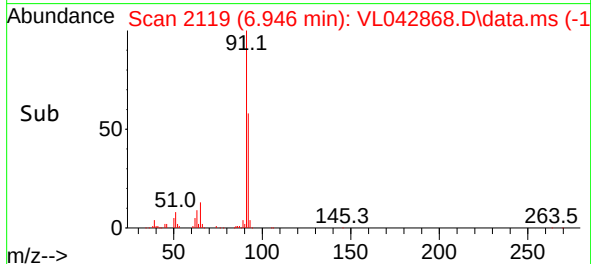
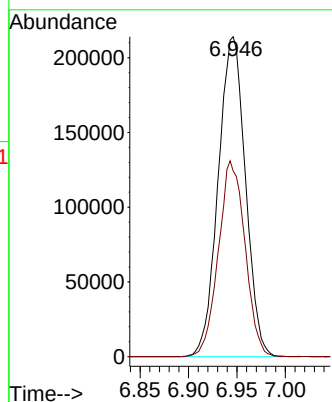
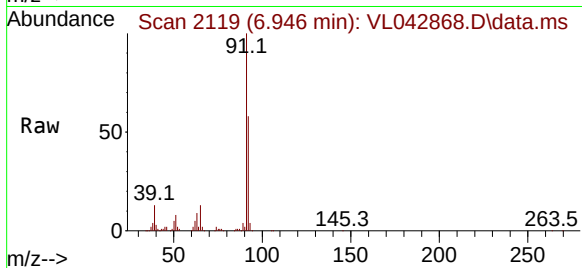




#53
Toluene
Concen: 9.652 ppbv
RT: 6.946 min Scan# 2118
Delta R.T. 0.003 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

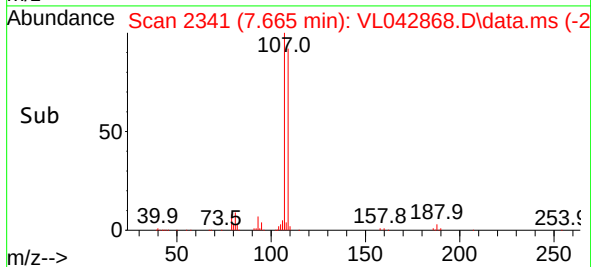
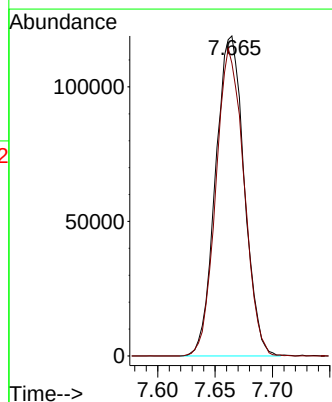
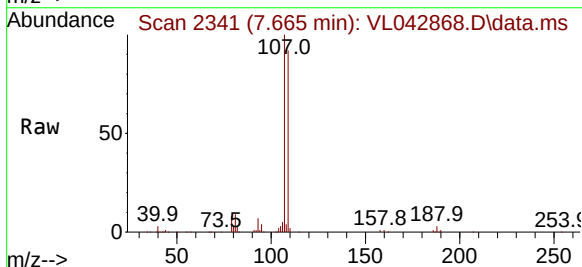
Instrument :
MSVOA_L
ClientSampleId :
VL0821ABS01

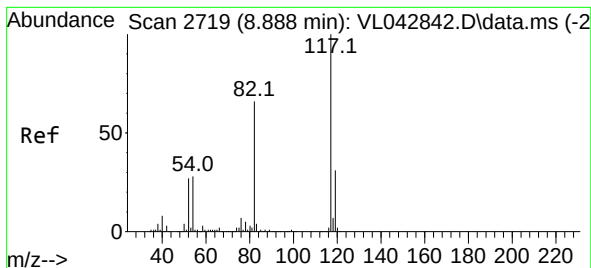
Tgt Ion: 91 Resp: 418783
Ion Ratio Lower Upper
91 100
92 59.8 47.8 71.6



#54
1,2-Dibromoethane
Concen: 9.989 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.003 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

Tgt Ion: 107 Resp: 206148
Ion Ratio Lower Upper
107 100
109 91.5 72.5 108.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.891 min Scan# 2719

Delta R.T. 0.003 min

Lab File: VL042868.D

Acq: 21 Aug 2025 16:24

Instrument :

MSVOA_1

ClientSampleId :

VL0821ABS01

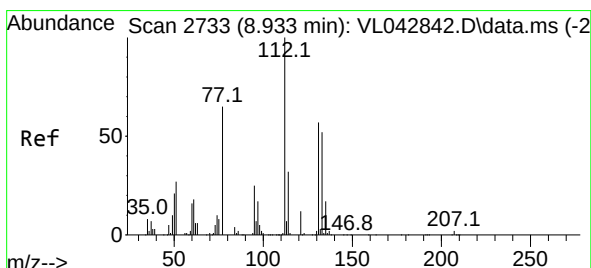
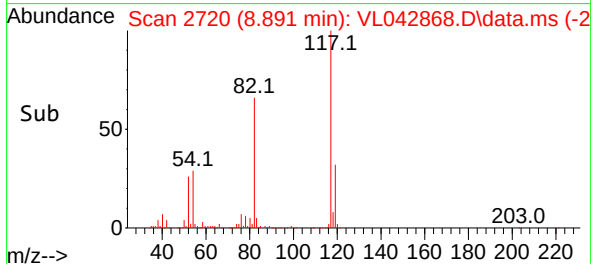
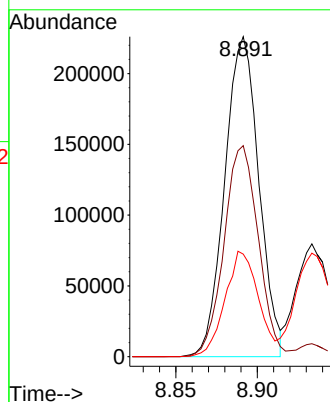
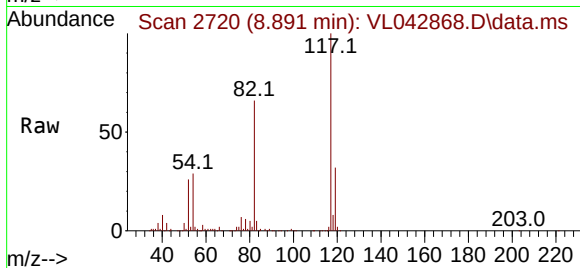
Tgt Ion:117 Resp: 329136

Ion Ratio Lower Upper

117 100

82 69.6 54.6 81.8

119 32.8 25.9 38.9



#56

1,1,1,2-Tetrachloroethane

Concen: 10.018 ppbv

RT: 8.933 min Scan# 2733

Delta R.T. -0.000 min

Lab File: VL042868.D

Acq: 21 Aug 2025 16:24

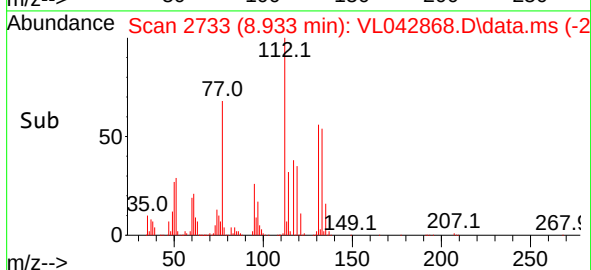
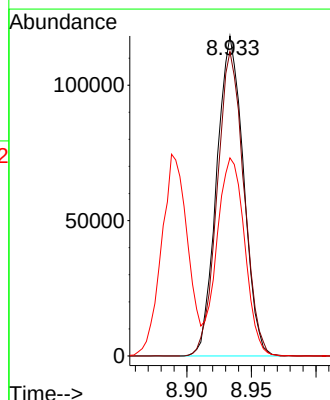
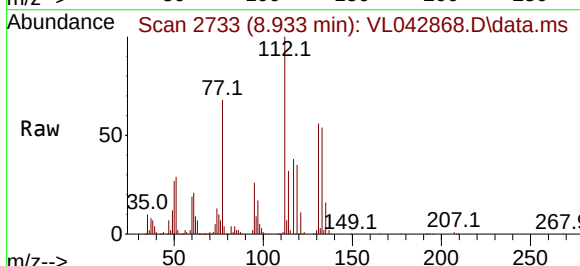
Tgt Ion:131 Resp: 170516

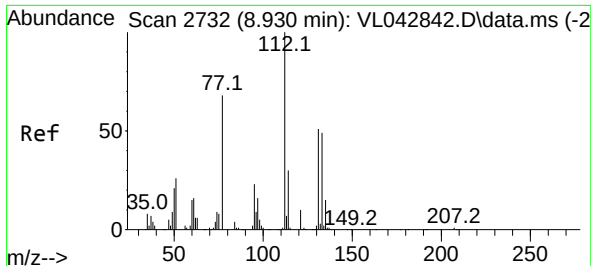
Ion Ratio Lower Upper

131 100

133 94.7 77.4 116.0

119 64.5 51.2 76.8

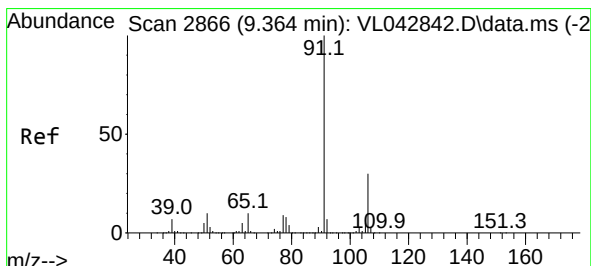
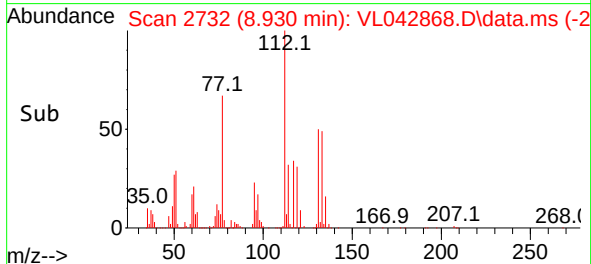
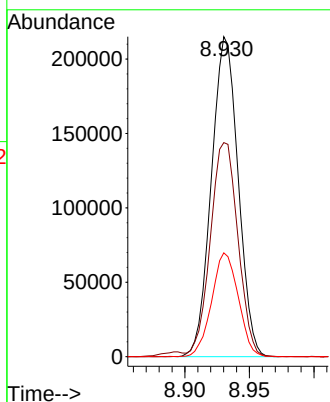
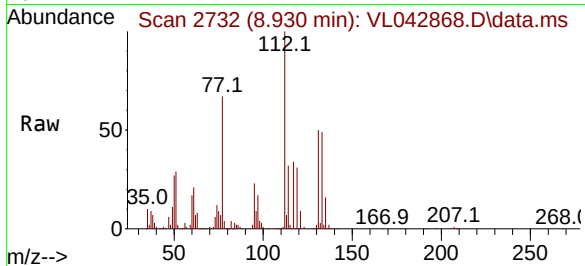




#57
Chlorobenzene
Concen: 9.917 ppbv
RT: 8.930 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

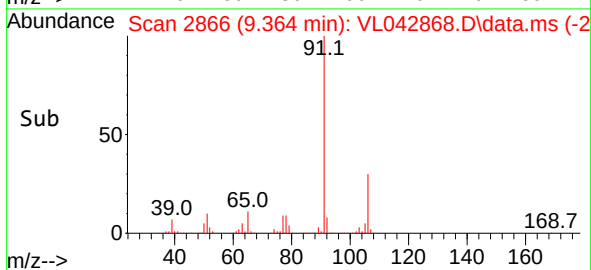
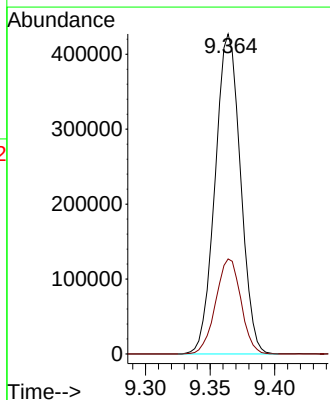
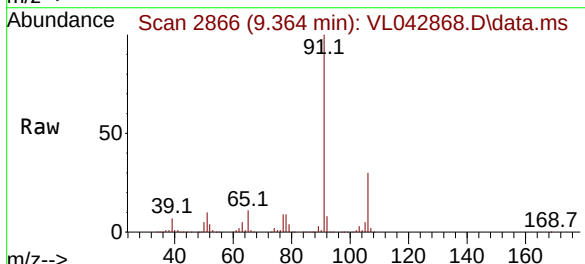
Instrument :
MSVOA_1
ClientSampleId :
VL0821ABS01

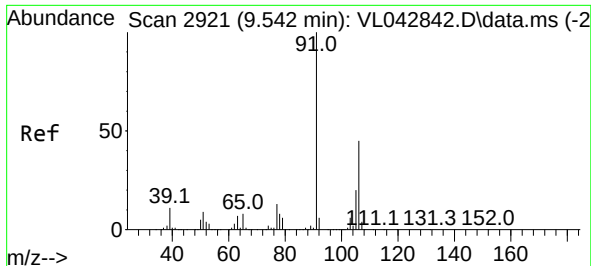
Tgt Ion:112 Resp: 310343
Ion Ratio Lower Upper
112 100
77 66.9 55.5 83.3
114 32.4 27.2 33.2



#58
Ethyl Benzene
Concen: 10.034 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. -0.000 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

Tgt Ion: 91 Resp: 582812
Ion Ratio Lower Upper
91 100
106 29.7 23.9 35.9

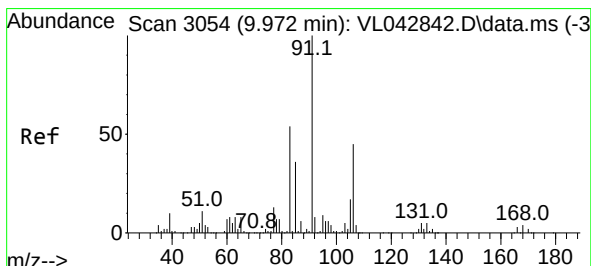
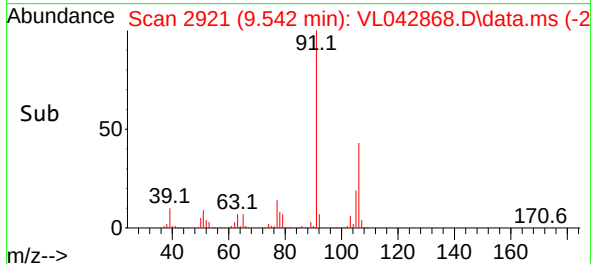
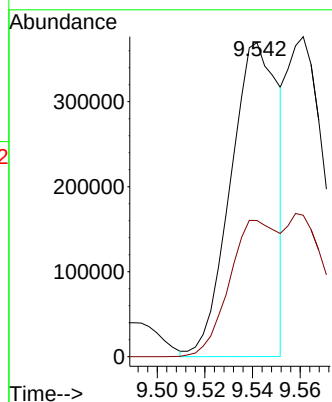
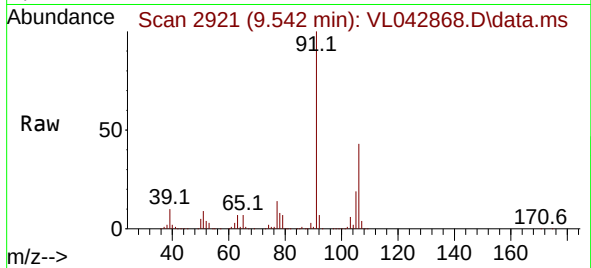




#59
m/p-Xylene
Concen: 11.246 ppbv
RT: 9.542 min Scan# 2921
Delta R.T. -0.000 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

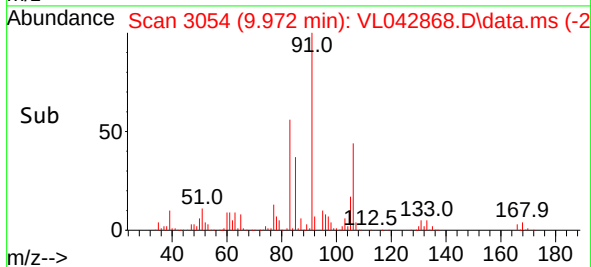
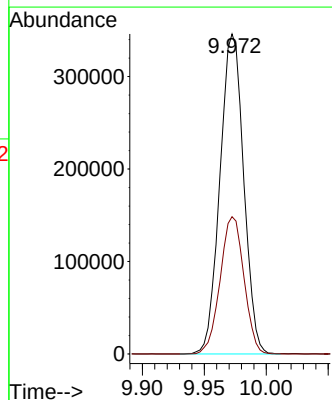
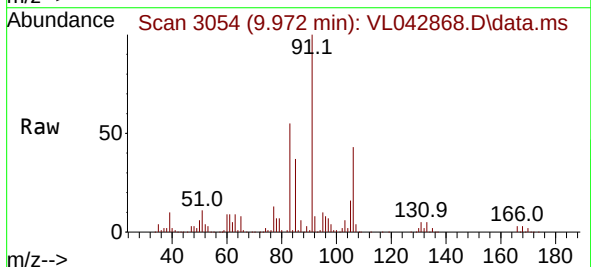
Instrument :
MSVOA_L
ClientSampleId :
VL0821ABS01

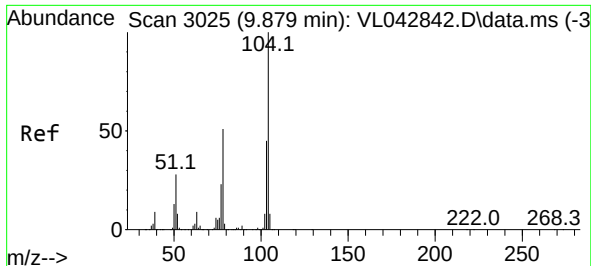
Tgt Ion: 91 Resp: 511984
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0



#60
o-Xylene
Concen: 10.082 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. -0.000 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

Tgt Ion: 91 Resp: 461704
Ion Ratio Lower Upper
91 100
106 43.0 21.8 65.4

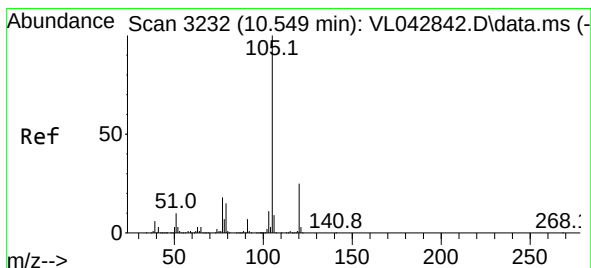
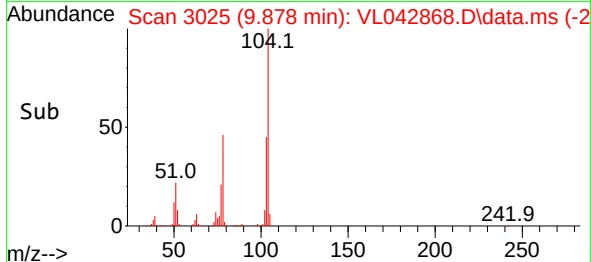
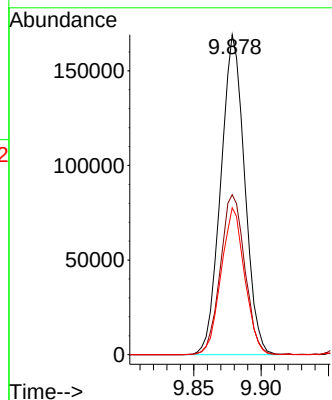
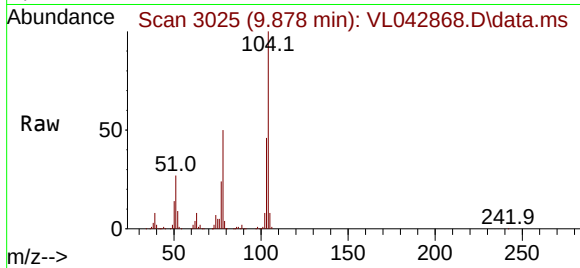




#61
Styrene
Concen: 9.696 ppbv
RT: 9.878 min Scan# 3025
Delta R.T. -0.000 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

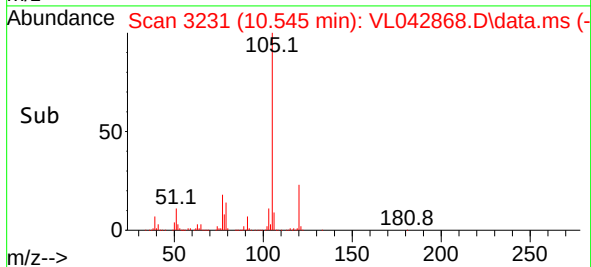
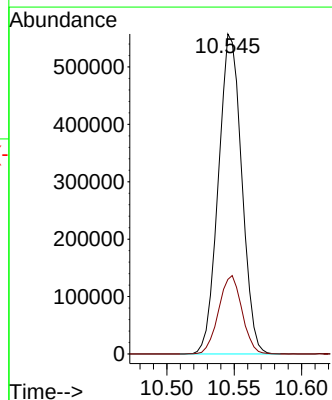
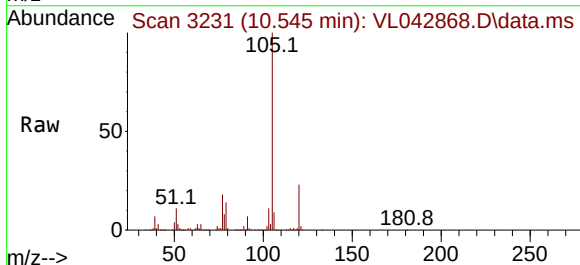
Instrument :
MSVOA_L
ClientSampleId :
VL0821ABS01

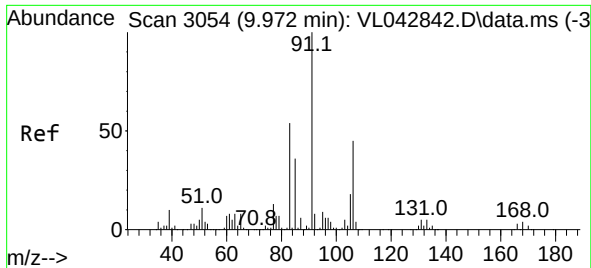
Tgt Ion:104 Resp: 208048
Ion Ratio Lower Upper
104 100
78 51.4 40.6 61.0
103 45.5 37.7 56.5



#62
Isopropylbenzene
Concen: 10.011 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. -0.003 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

Tgt Ion:105 Resp: 670006
Ion Ratio Lower Upper
105 100
120 24.5 20.6 30.8

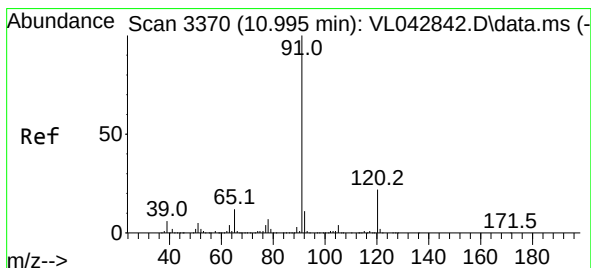
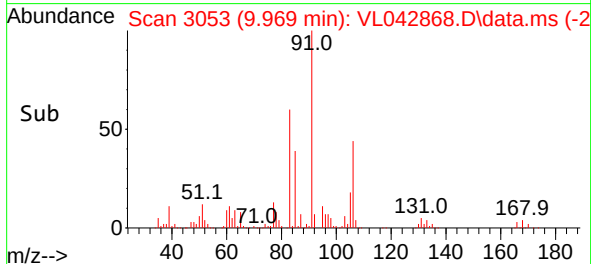
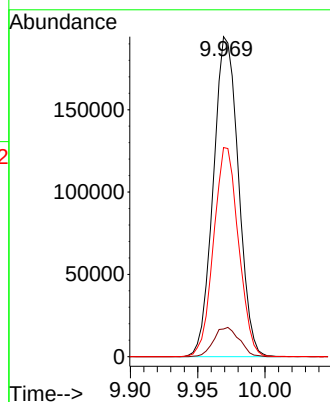
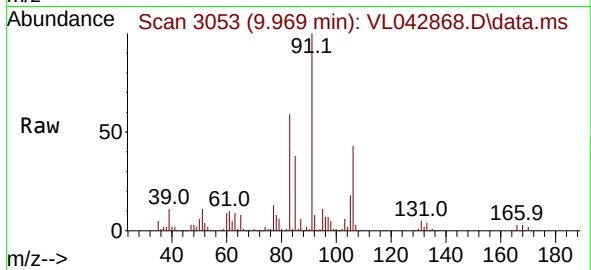




#63
1,1,2,2-Tetrachloroethane
Concen: 10.017 ppbv
RT: 9.969 min Scan# 3054
Delta R.T. -0.003 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

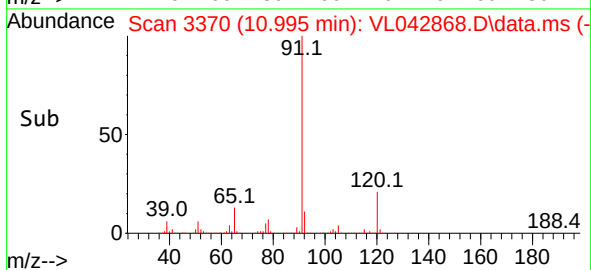
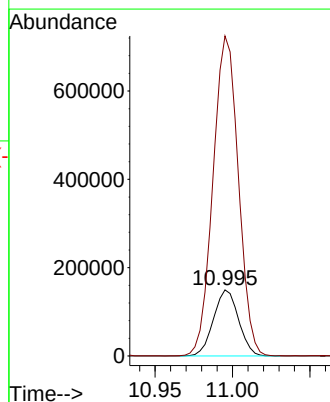
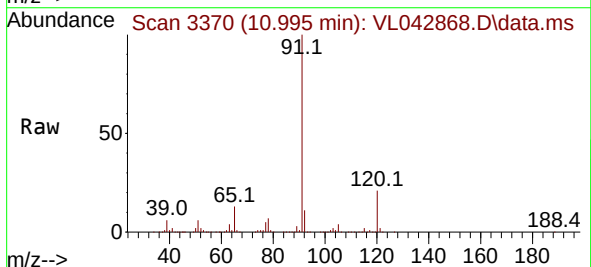
Instrument :
MSVOA_L
ClientSampleId :
VL0821ABS01

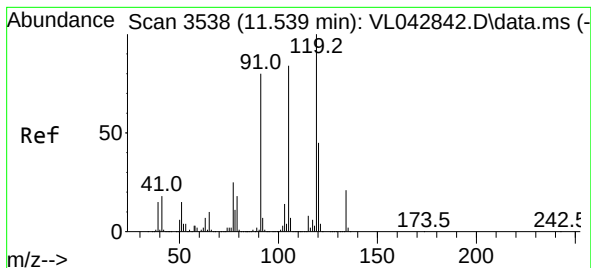
Tgt Ion: 83 Resp: 252269
Ion Ratio Lower Upper
83 100
131 9.4 4.8 14.3
85 64.8 32.3 96.8



#64
n-propylbenzene
Concen: 9.834 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. -0.000 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

Tgt Ion: 120 Resp: 167934
Ion Ratio Lower Upper
120 100
91 491.1 375.8 563.6

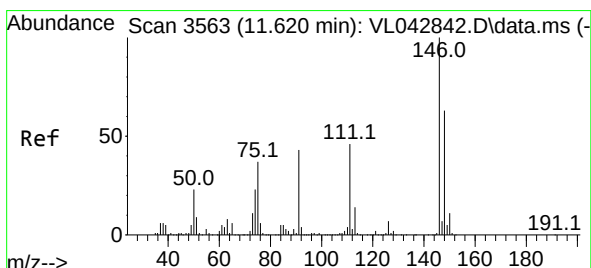
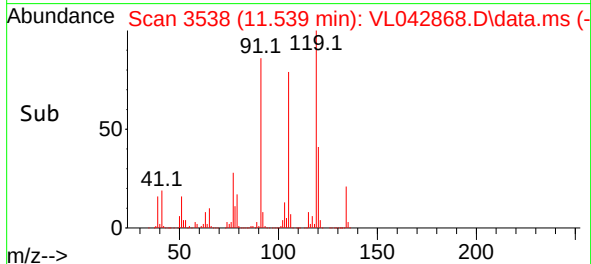
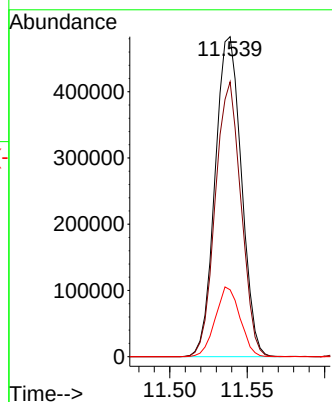
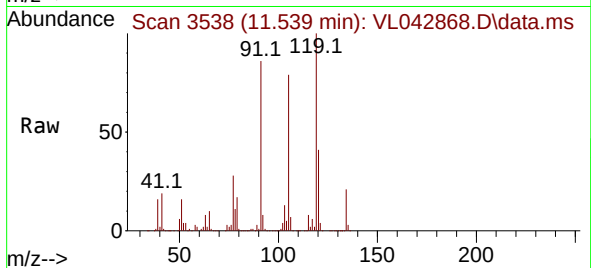




#65
tert-Butylbenzene
Concen: 9.682 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

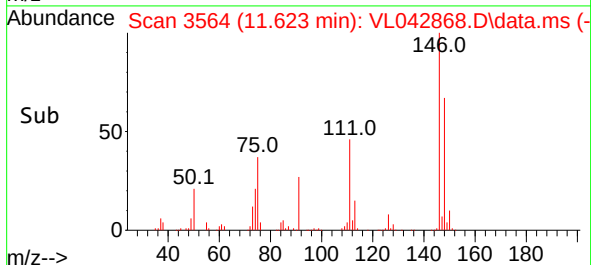
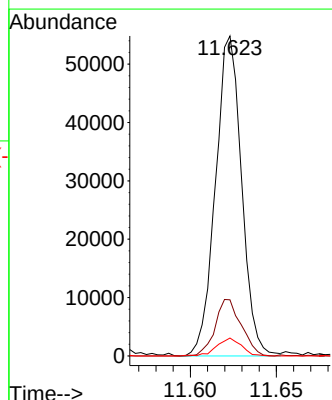
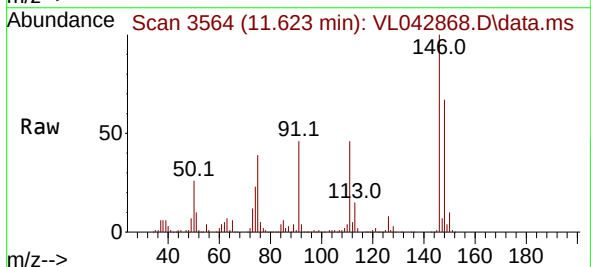
Instrument :
MSVOA_L
ClientSampleId :
VL0821ABS01

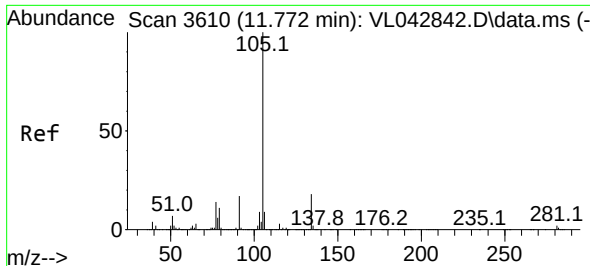
Tgt Ion:119 Resp: 571246
Ion Ratio Lower Upper
119 100
91 83.8 63.9 95.9
134 20.5 17.0 25.4



#66
Benzyl Chloride
Concen: 7.735 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.003 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

Tgt Ion: 91 Resp: 57933
Ion Ratio Lower Upper
91 100
126 17.7 14.2 21.4
128 5.3 5.0 7.6

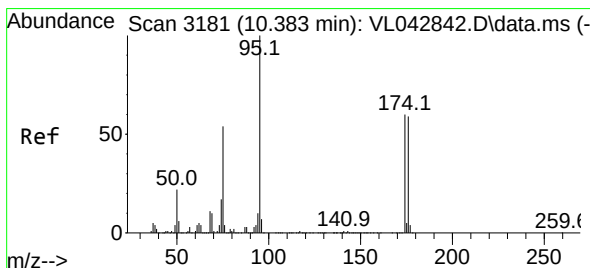
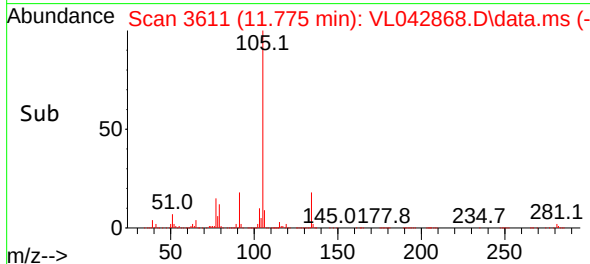
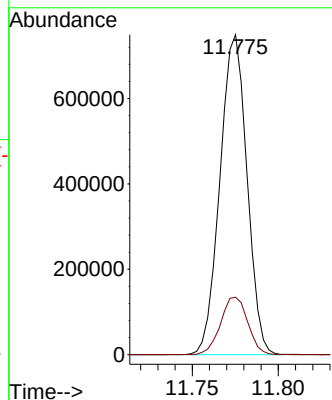
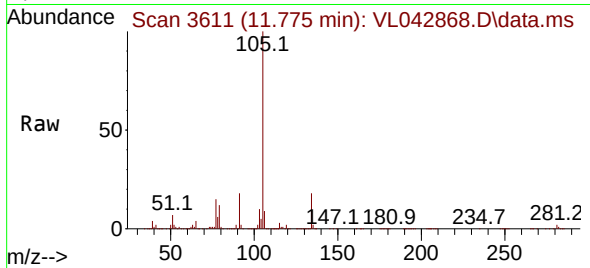




#67
 sec-Butylbenzene
 Concen: 9.877 ppbv
 RT: 11.775 min Scan# 3611
 Delta R.T. 0.003 min
 Lab File: VL042868.D
 Acq: 21 Aug 2025 16:24

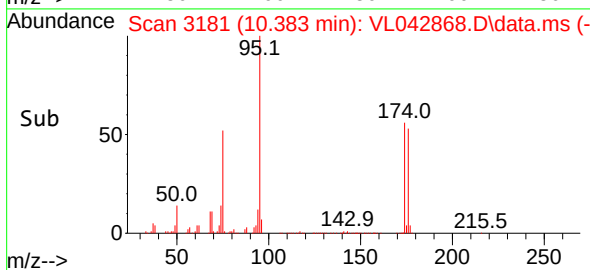
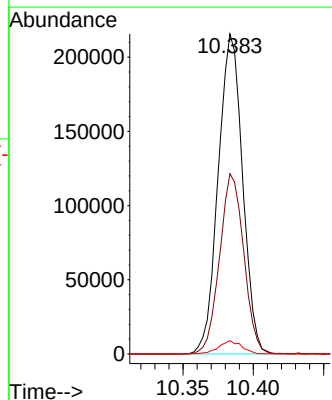
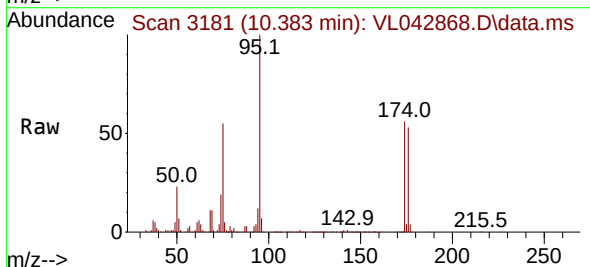
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0821ABS01

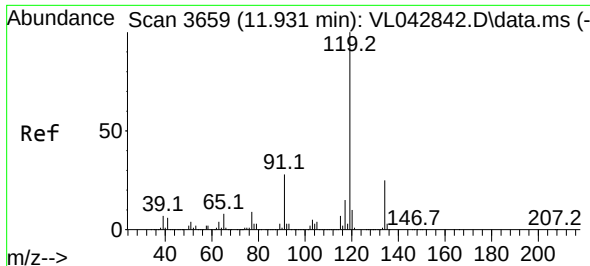
Tgt Ion:105 Resp: 817985
 Ion Ratio Lower Upper
 105 100
 134 18.1 14.9 22.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.527 ppbv
 RT: 10.383 min Scan# 3181
 Delta R.T. -0.000 min
 Lab File: VL042868.D
 Acq: 21 Aug 2025 16:24

Tgt Ion: 95 Resp: 259863
 Ion Ratio Lower Upper
 95 100
 174 55.9 48.4 72.6
 175 3.9 3.8 5.8

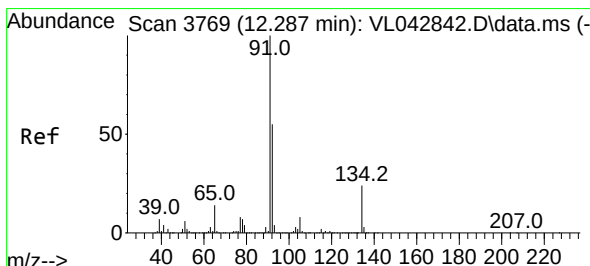
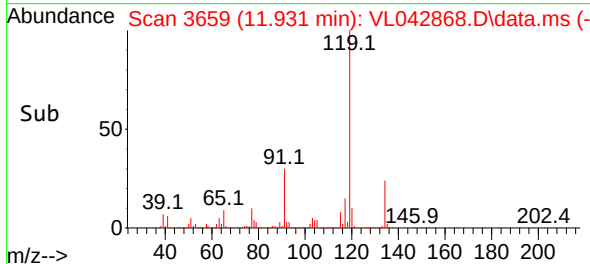
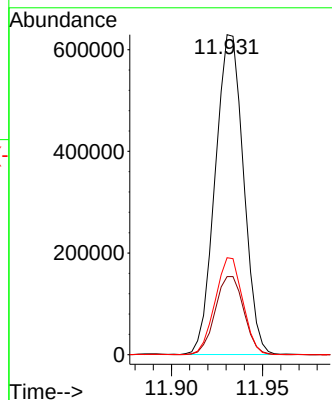
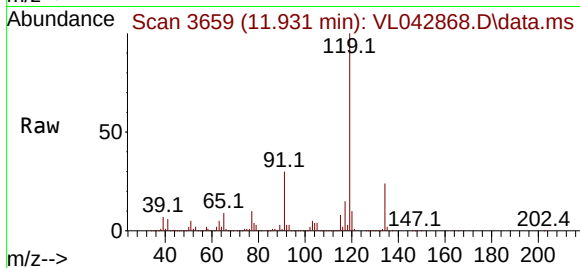




#69
 p-Isopropyltoluene
 Concen: 9.572 ppbv
 RT: 11.931 min Scan# 3659
 Delta R.T. -0.000 min
 Lab File: VL042868.D
 Acq: 21 Aug 2025 16:24

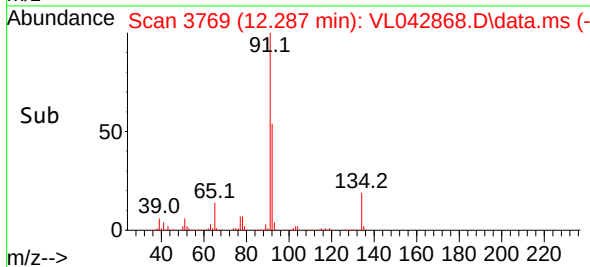
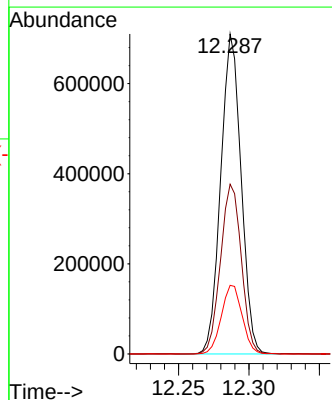
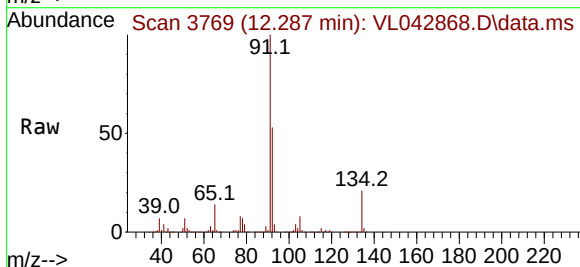
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0821ABS01

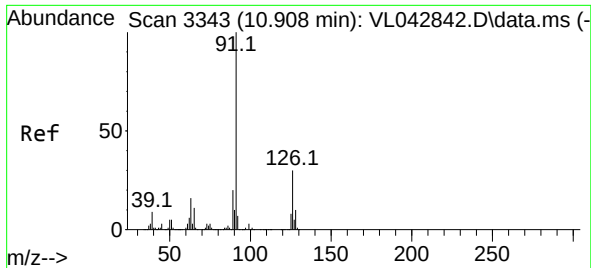
Tgt Ion:119 Resp: 680571
 Ion Ratio Lower Upper
 119 100
 134 24.8 20.6 30.8
 91 29.6 22.6 34.0



#70
 n-Butylbenzene
 Concen: 10.146 ppbv
 RT: 12.287 min Scan# 3769
 Delta R.T. -0.000 min
 Lab File: VL042868.D
 Acq: 21 Aug 2025 16:24

Tgt Ion: 91 Resp: 715452
 Ion Ratio Lower Upper
 91 100
 92 54.2 44.6 66.8
 134 22.0 19.0 28.4

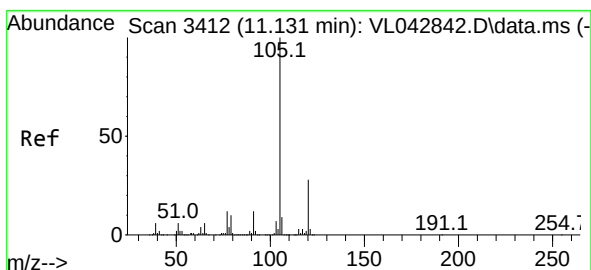
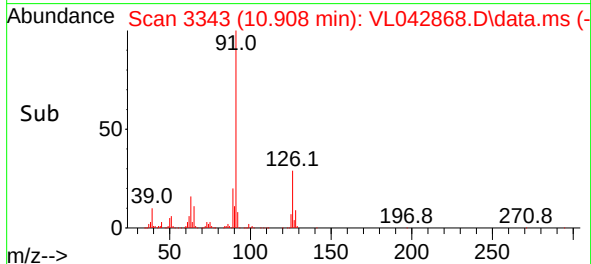
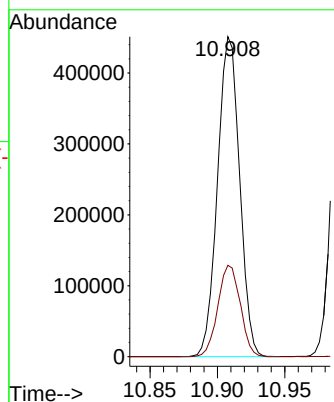
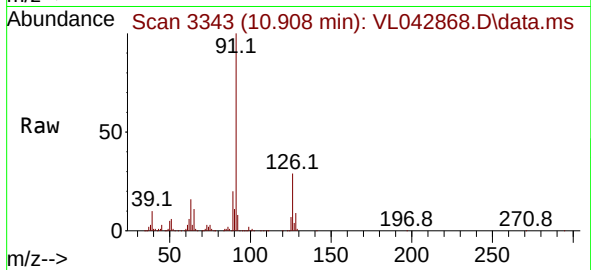




#71
2-Chlorotoluene
Concen: 9.913 ppbv
RT: 10.908 min Scan# 311
Delta R.T. -0.000 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

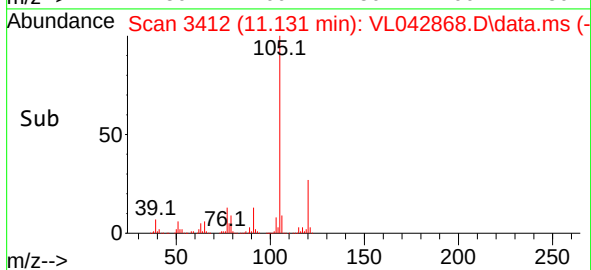
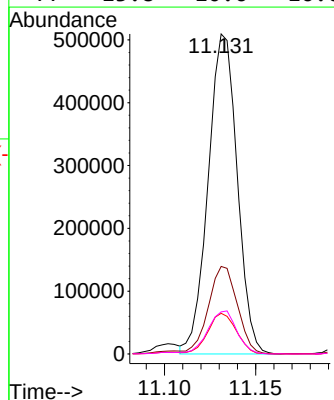
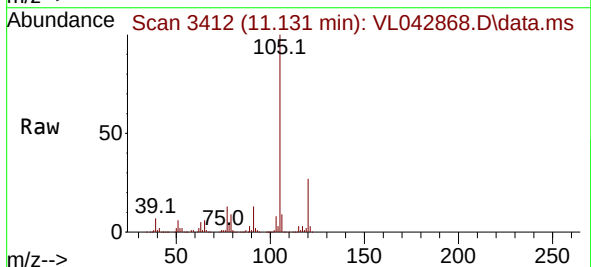
Instrument :
MSVOA_L
ClientSampleId :
VL0821ABS01

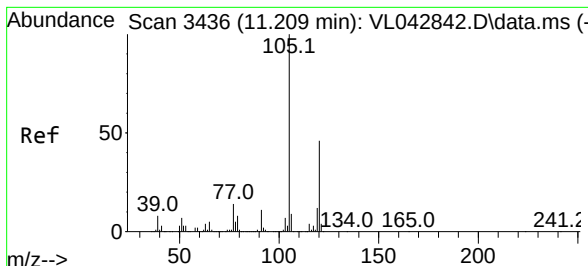
Tgt Ion: 91 Resp: 515189
Ion Ratio Lower Upper
91 100
126 28.9 12.0 47.8



#72
4-Ethyltoluene
Concen: 10.170 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. -0.000 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

Tgt Ion: 105 Resp: 564628
Ion Ratio Lower Upper
105 100
120 28.2 23.4 35.2
91 13.0 9.8 14.6
77 13.8 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 9.901 ppbv

RT: 11.209 min Scan# 3436

Delta R.T. -0.000 min

Lab File: VL042868.D

Acq: 21 Aug 2025 16:24

Instrument :

MSVOA_1

ClientSampleId :

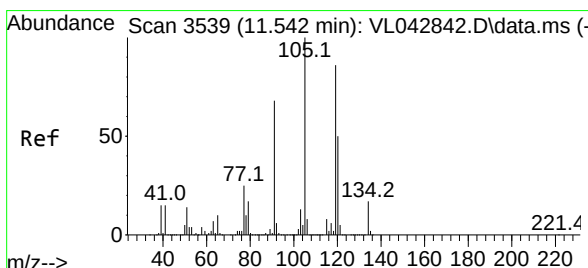
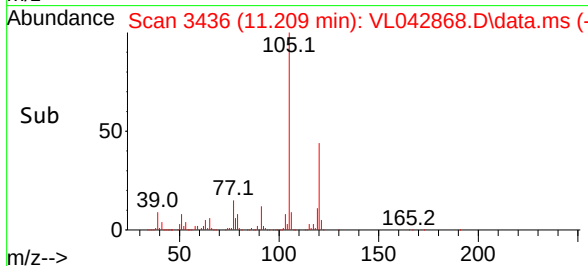
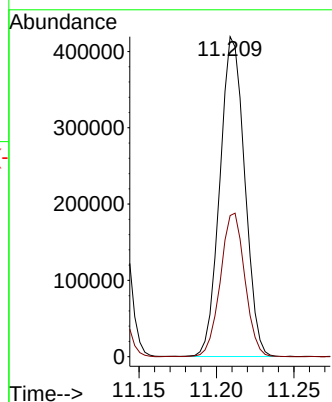
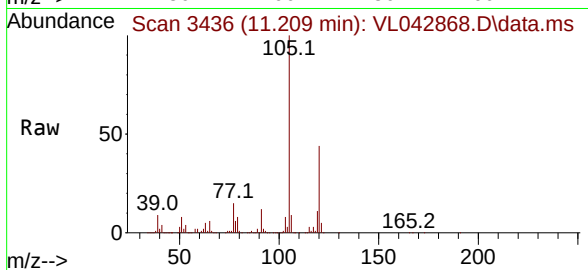
VL0821ABS01

Tgt Ion:105 Resp: 467427

Ion Ratio Lower Upper

105 100

120 44.1 36.6 54.8



#74

1,2,4-Trimethylbenzene

Concen: 9.838 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. -0.000 min

Lab File: VL042868.D

Acq: 21 Aug 2025 16:24

Tgt Ion:105 Resp: 509797

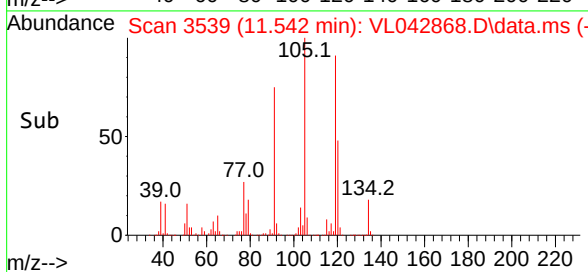
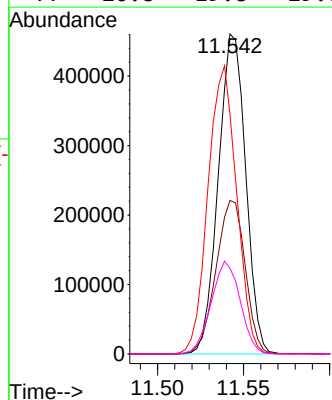
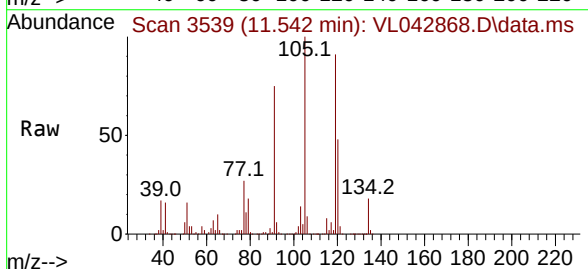
Ion Ratio Lower Upper

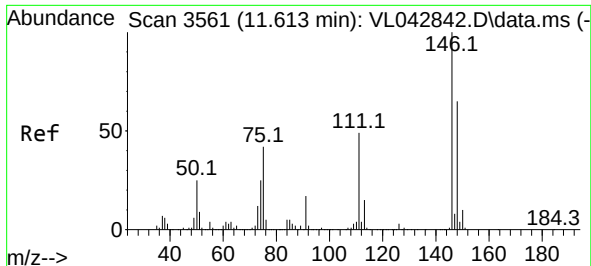
105 100

120 47.9 39.8 59.6

91 74.9 54.2 81.4

77 26.8 19.8 29.6

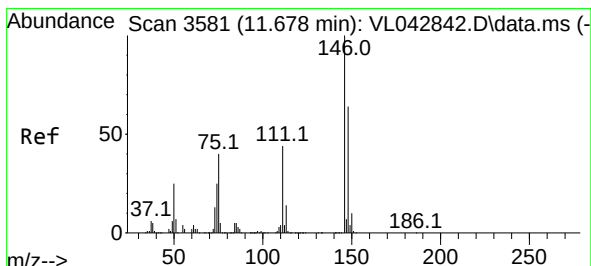
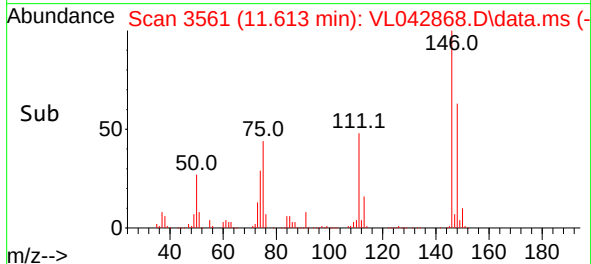
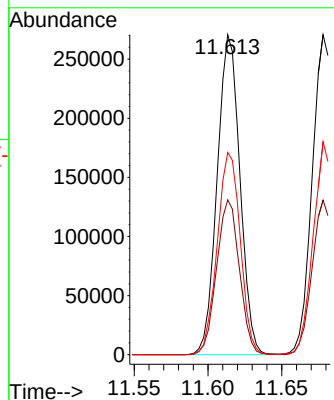
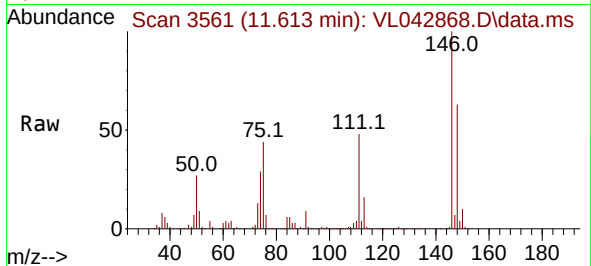




#75
1,3-Dichlorobenzene
Concen: 9.867 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.000 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

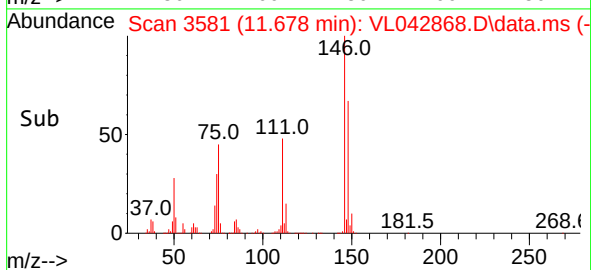
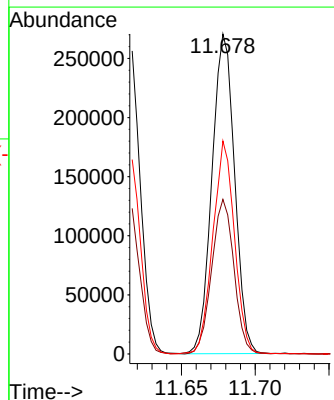
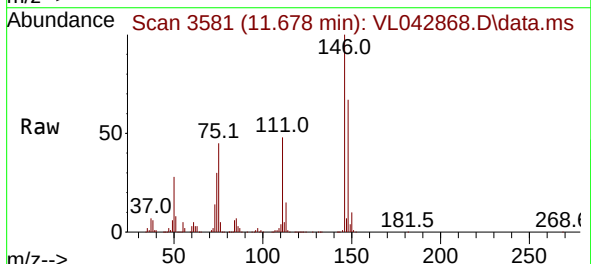
Instrument :
MSVOA_L
ClientSampleId :
VL0821ABS01

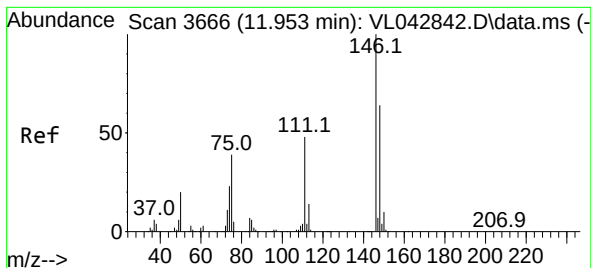
Tgt Ion:146 Resp: 290683
Ion Ratio Lower Upper
146 100
111 48.5 23.9 71.7
148 63.7 31.4 94.0



#76
1,4-Dichlorobenzene
Concen: 9.700 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. -0.000 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

Tgt Ion:146 Resp: 289000
Ion Ratio Lower Upper
146 100
111 47.5 22.7 68.1
148 63.8 31.8 95.3





#77

1,2-Dichlorobenzene

Concen: 9.634 ppbv

RT: 11.953 min Scan# 3

Delta R.T. -0.000 min

Lab File: VL042868.D

Acq: 21 Aug 2025 16:24

Instrument :

MSVOA_L

ClientSampleId :

VL0821ABS01

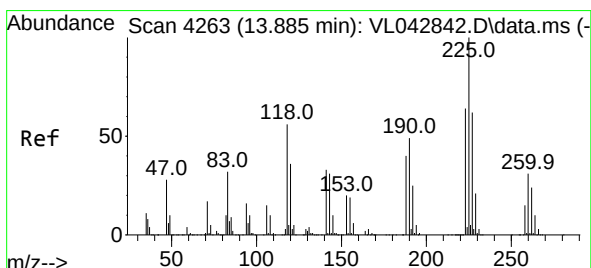
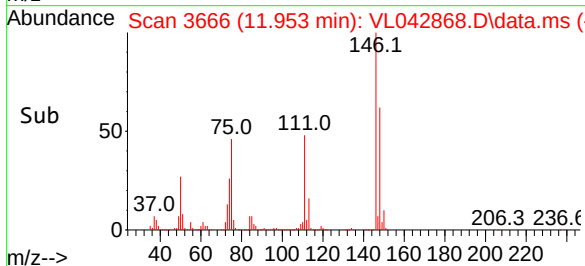
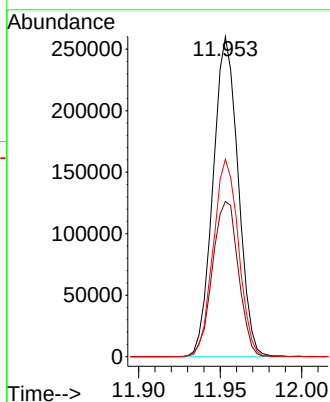
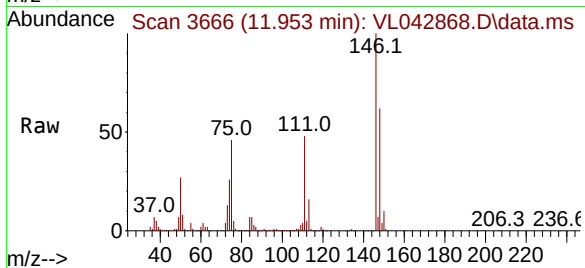
Tgt Ion:146 Resp: 277898

Ion Ratio Lower Upper

146 100

111 50.4 24.6 74.0

148 62.3 32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 8.014 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. -0.000 min

Lab File: VL042868.D

Acq: 21 Aug 2025 16:24

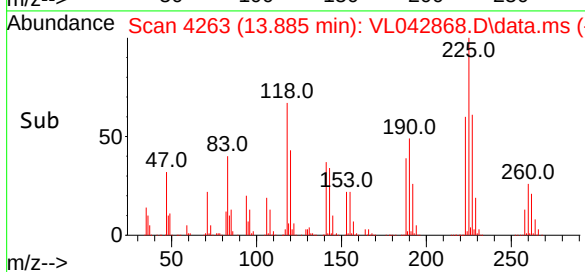
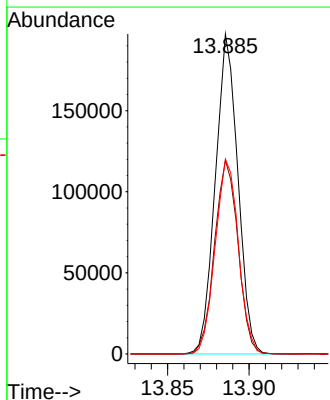
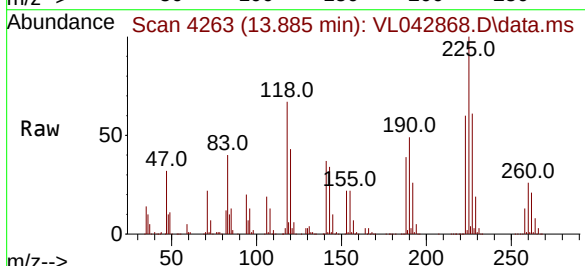
Tgt Ion:225 Resp: 189465

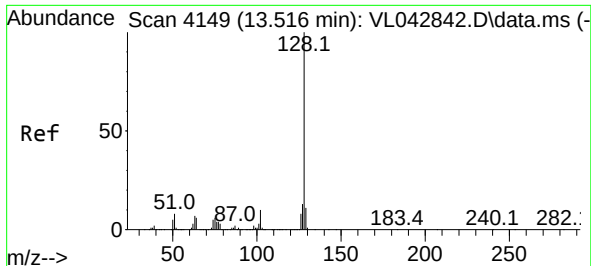
Ion Ratio Lower Upper

225 100

223 62.9 51.4 77.2

227 62.6 51.9 77.9

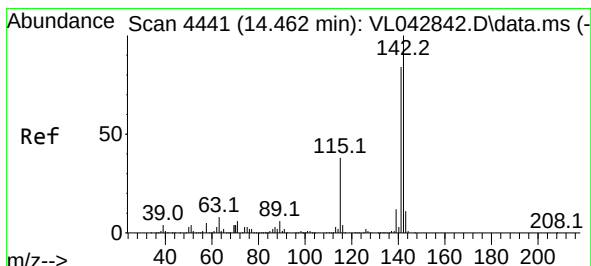
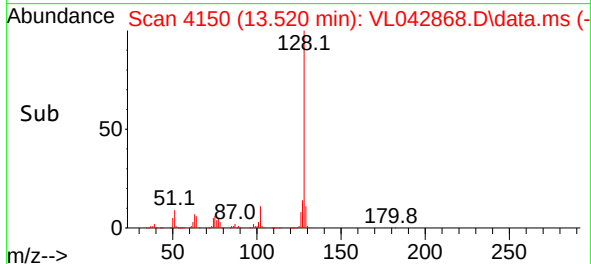
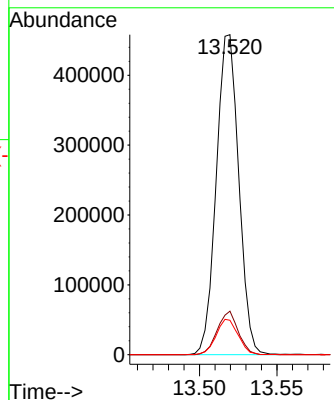
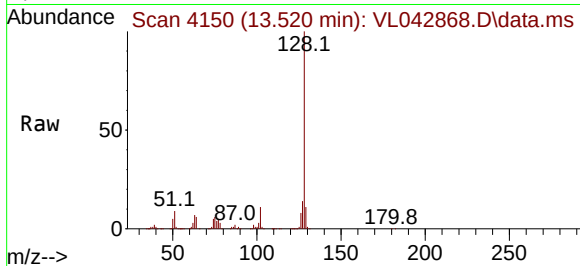




#79
Naphthalene
Concen: 9.843 ppbv
RT: 13.520 min Scan# 4149
Delta R.T. 0.003 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

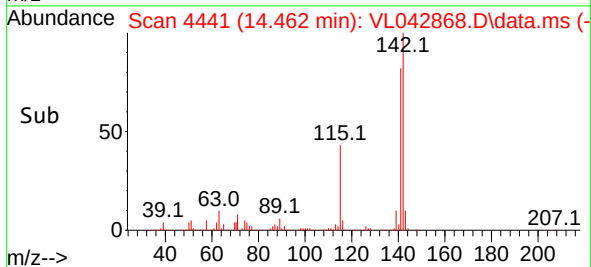
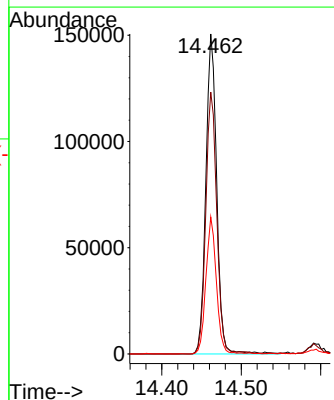
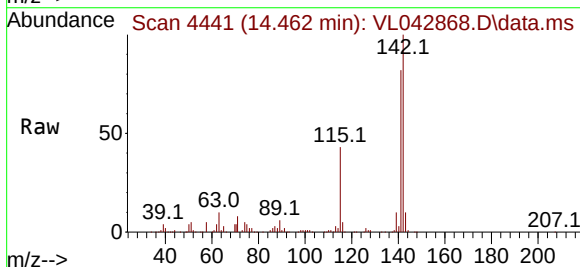
Instrument :
MSVOA_1
ClientSampleId :
VL0821ABS01

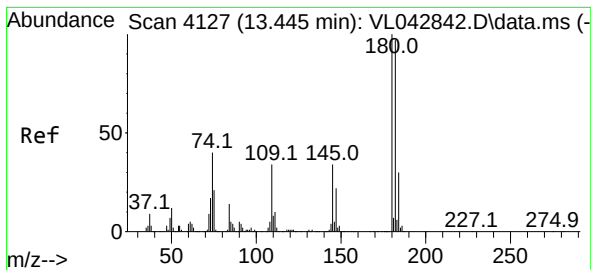
Tgt Ion:128 Resp: 462417
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 10.7 8.9 13.3



#80
Naphthalene,2-methyl-
Concen: 8.148 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. -0.000 min
Lab File: VL042868.D
Acq: 21 Aug 2025 16:24

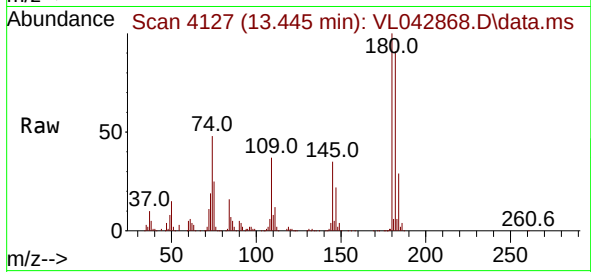
Tgt Ion:142 Resp: 143032
Ion Ratio Lower Upper
142 100
141 84.0 67.0 100.6
115 41.8 30.9 46.3





#81
 1,2,4-Trichlorobenzene
 Concen: 9.559 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042868.D
 Acq: 21 Aug 2025 16:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0821ABS01



Tgt Ion:180 Resp: 225714
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.9 115.3
 184 29.6 24.5 36.7

