

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
 Data File : VL042586.D
 Acq On : 29 May 2025 14:56
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL052925

Quant Time: May 30 02:03:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	102428	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	301054	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	275875	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	203743	9.852	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	115266	9.156	ppbv	97
3) Chlorodifluoromethane	1.476	51	150107	8.658	ppbv	99
4) Chloromethane	1.534	50	45964	9.220	ppbv	99
5) Vinyl Chloride	1.583	62	43925	8.650	ppbv	98
6) Bromomethane	1.670	94	20899	8.455	ppbv	96
7) Chloroethane	1.706	64	16853	8.541	ppbv	93
8) Dichlorotetrafluoroethane	1.557	85	97812	9.325	ppbv	98
9) Propene	1.486	41	60663	8.688	ppbv	98
10) Heptane	4.991	43	179146	9.102	ppbv	99
11) Trichlorofluoromethane	1.881	101	111088	9.484	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.143	101	90493	9.839	ppbv	98
13) Ethanol	1.722	45	4952	5.951	ppbv	97
14) Bromoethene	1.783	108	31882	9.215	ppbv	97
15) Acetone	1.838	43	93713	7.596	ppbv	99
16) 1,3-Butadiene	1.612	39	51473	8.807	ppbv	98
17) tert-Butyl alcohol	2.042	59	123536	9.611	ppbv	99
18) 1,1-Dichloroethene	2.036	96	40171	9.423	ppbv	94
19) Isopropyl Alcohol	1.887	45	65635	8.899	ppbv	99
20) Methylene Chloride	2.065	84	34380	8.444	ppbv	98
21) Allyl Chloride	2.097	41	80936	9.297	ppbv	98
22) trans-1,2-Dichloroethene	2.343	96	46389	9.742	ppbv	99
23) Vinyl Acetate	2.466	43	168496	10.103	ppbv	99
24) 1,1-Dichloroethane	2.411	63	92180	9.408	ppbv	99
25) Ethyl Acetate	2.839	43	309666	9.171	ppbv	99
26) Hexane	2.829	57	136378	8.889	ppbv	99
27) Carbon Disulfide	2.152	76	114756	9.743	ppbv #	92
28) Methyl tert-Butyl Ether	2.444	73	57913	9.302	ppbv	100
29) Chloroform	2.852	83	180696	9.057	ppbv	96
30) Cyclohexane	3.861	84	116986	9.198	ppbv	97
31) cis-1,2-Dichloroethene	2.725	61	130619	9.307	ppbv	97
32) 1,1,1-Trichloroethane	3.373	97	185017	9.077	ppbv	100
34) 2-Butanone	2.560	43	198226	9.233	ppbv	100
35) Carbon Tetrachloride	3.771	117	186286	9.374	ppbv	100
36) Benzene	3.664	78	274314	9.253	ppbv	99
37) 1,2-Dichloroethane	3.224	62	140785	9.555	ppbv	99
38) Trichloroethene	4.557	130	115086	9.133	ppbv	96
39) 1,2-Dichloropropane	4.324	63	98542	8.988	ppbv	99
40) 1,4-Dioxane	4.590	88	45655	9.306	ppbv #	99
41) Tetrahydrofuran	3.059	42	116984	9.309	ppbv	98
42) Bromodichloromethane	4.496	83	202489	9.676	ppbv	92
43) Methyl Methacrylate	4.891	69	108397	9.421	ppbv	99
44) 2,2,4-Trimethylpentane	4.648	57	461095	9.093	ppbv	100
45) t-1,3-Dichloropropene	6.425	75	77241	5.866	ppbv	97

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

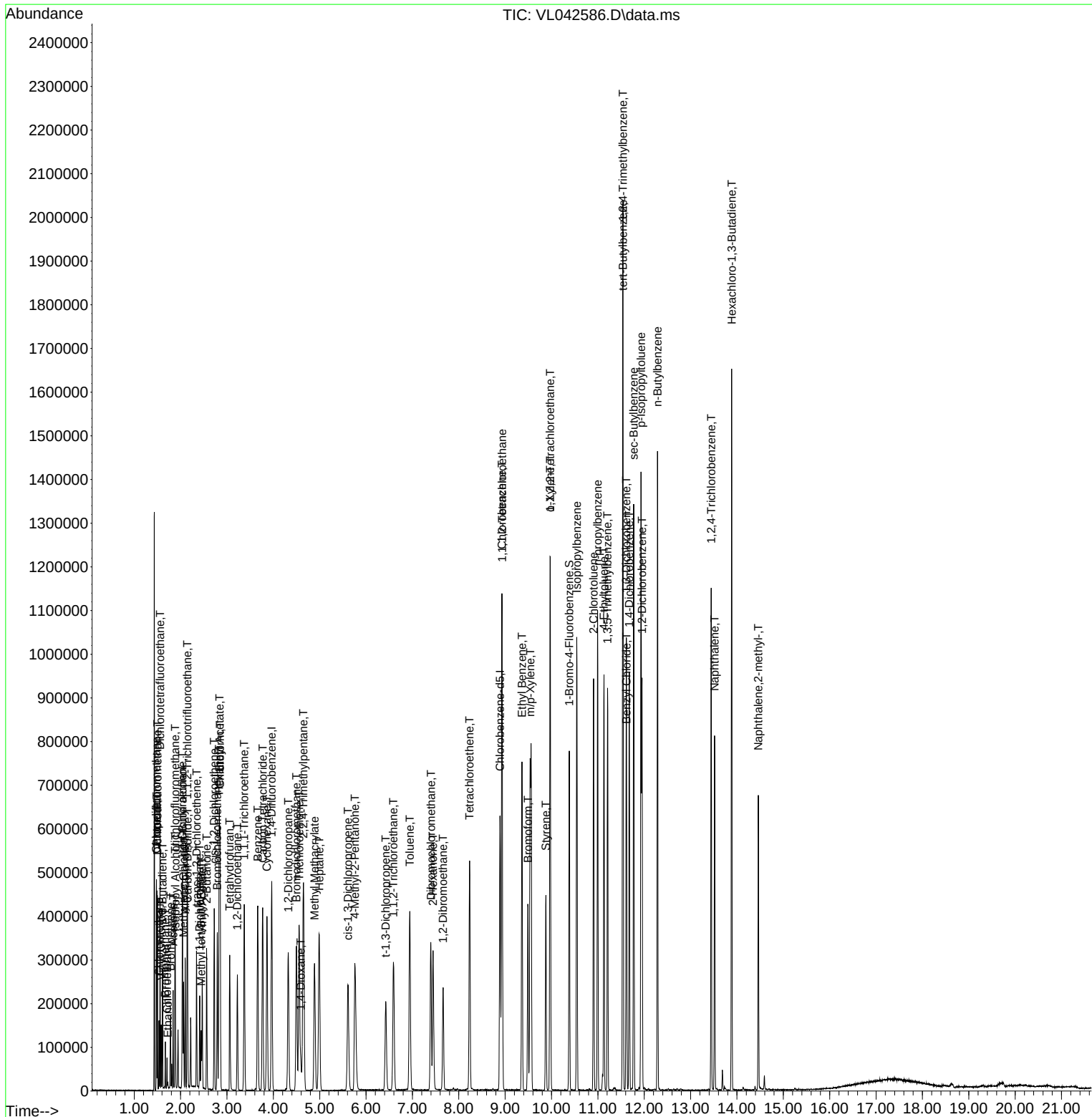
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 ClientSampleId :
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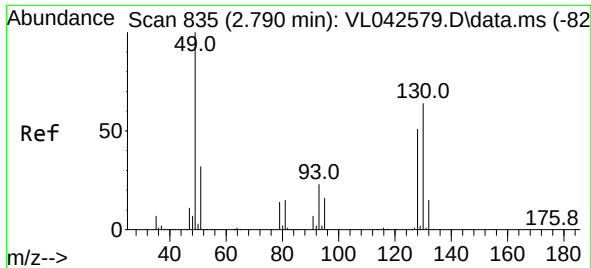
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	156828	9.505	ppbv	98
47) 1,1,2-Trichloroethane	6.590	97	103138	9.088	ppbv	92
48) Dibromochloromethane	7.399	129	170606	9.391	ppbv	99
49) Bromoform	9.493	173	152725	9.742	ppbv	99
50) 4-Methyl-2-Pentanone	5.758	43	278990	9.369	ppbv	100
51) 2-Hexanone	7.444	43	228036	9.655	ppbv	98
52) Tetrachloroethene	8.231	164	98872	8.925	ppbv	99
53) Toluene	6.943	91	319640	9.329	ppbv	99
54) 1,2-Dibromoethane	7.661	107	157298	9.364	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.933	131	127601	9.199	ppbv	97
57) Chlorobenzene	8.930	112	242533	9.054	ppbv	97
58) Ethyl Benzene	9.364	91	432250	9.237	ppbv	97
59) m/p-Xylene	9.542	91	341761	9.281	ppbv #	29
60) o-Xylene	9.972	91	333107	9.069	ppbv	100
61) Styrene	9.878	104	163167	9.396	ppbv	100
62) Isopropylbenzene	10.545	105	491107	9.051	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	204322	8.749	ppbv	100
64) n-propylbenzene	10.995	120	131695	9.054	ppbv	100
65) tert-Butylbenzene	11.539	119	431251	8.758	ppbv	98
66) Benzyl Chloride	11.620	91	59801	9.435	ppbv	100
67) sec-Butylbenzene	11.772	105	607905	8.781	ppbv	99
69) p-Isopropyltoluene	11.930	119	512739	8.844	ppbv	100
70) n-Butylbenzene	12.286	91	514931	8.998	ppbv	100
71) 2-Chlorotoluene	10.908	91	377413	9.119	ppbv	99
72) 4-Ethyltoluene	11.131	105	412686	9.012	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	346043	9.131	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	371879	8.842	ppbv	94
75) 1,3-Dichlorobenzene	11.613	146	234703	8.886	ppbv	99
76) 1,4-Dichlorobenzene	11.678	146	237978	9.034	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	224400	8.754	ppbv	99
78) Hexachloro-1,3-Butadiene	13.885	225	169185	7.977	ppbv	99
79) Naphthalene	13.516	128	383192	9.666	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	194375	10.853	ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	198696	8.978	ppbv	98

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

Quant Time: May 30 02:03:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
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QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

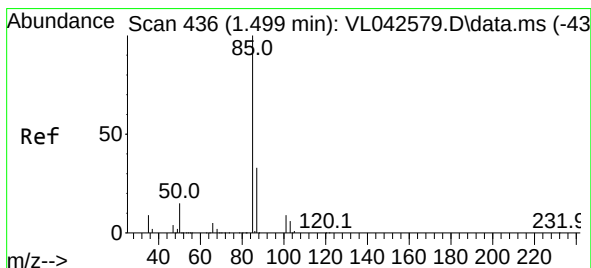
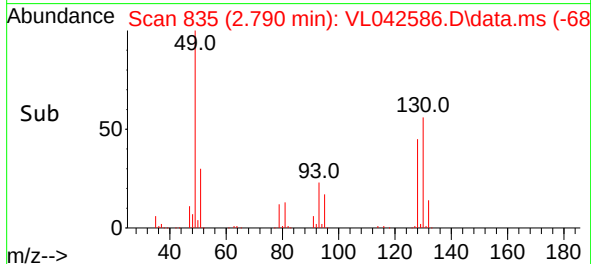
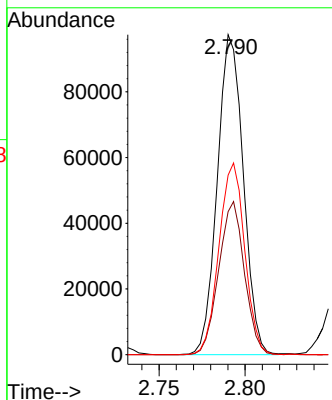
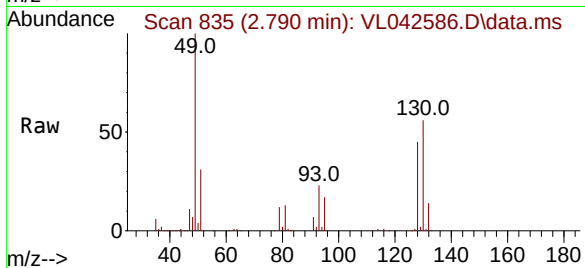




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

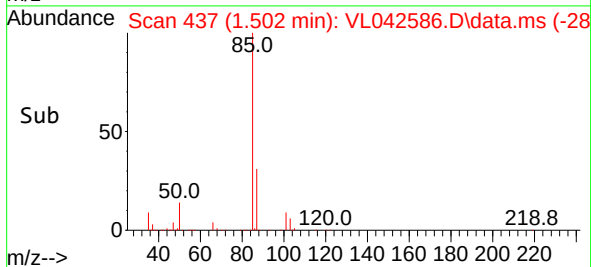
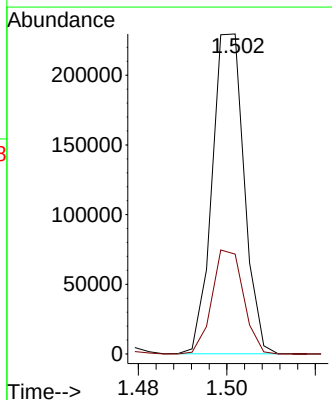
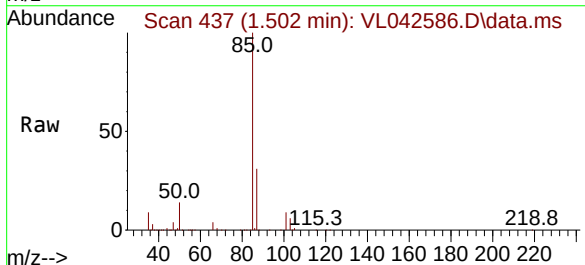
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

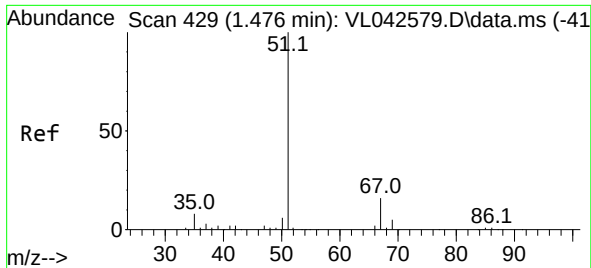
Tgt Ion: 49 Resp: 102428
Ion Ratio Lower Upper
49 100
128 47.4 24.2 72.6
130 59.4 30.4 91.2



#2
Dichlorodifluoromethane
Concen: 9.156 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 85 Resp: 115266
Ion Ratio Lower Upper
85 100
87 31.2 26.6 39.8





#3

Chlorodifluoromethane

Concen: 8.658 ppbv

RT: 1.476 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

Instrument :

MSVOA_L

ClientSampleId :

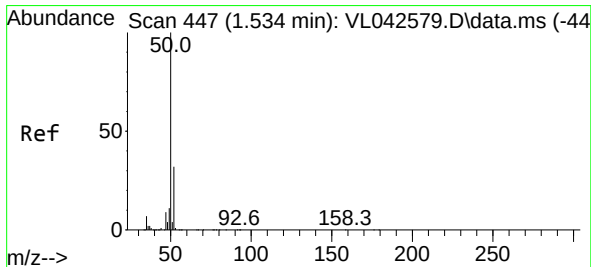
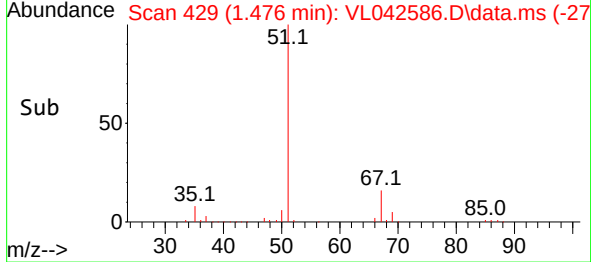
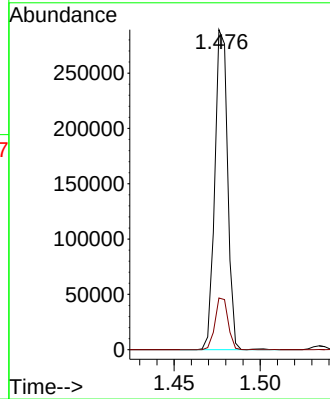
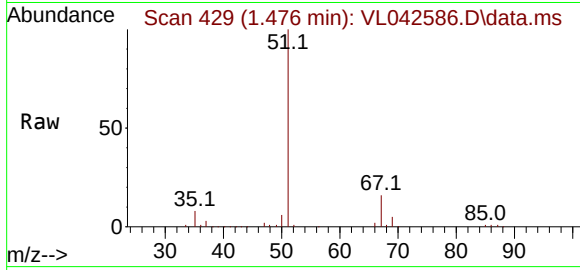
ICVVL052925

Tgt Ion: 51 Resp: 150107

Ion Ratio Lower Upper

51 100

67 16.5 13.4 20.2



#4

Chloromethane

Concen: 9.220 ppbv

RT: 1.534 min Scan# 447

Delta R.T. -0.000 min

Lab File: VL042586.D

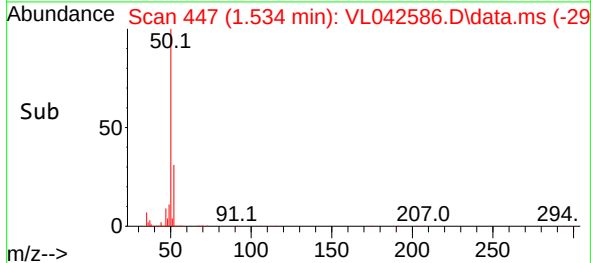
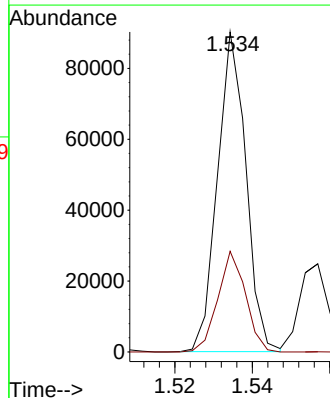
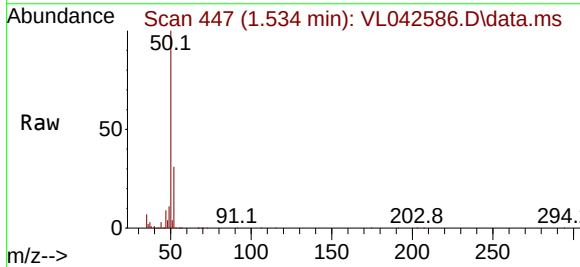
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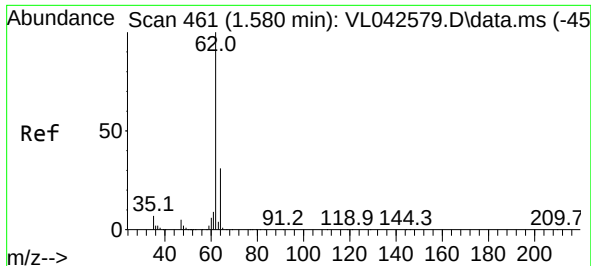
Tgt Ion: 50 Resp: 45964

Ion Ratio Lower Upper

50 100

52 31.5 25.8 38.6

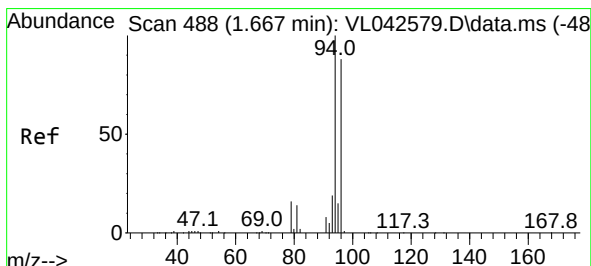
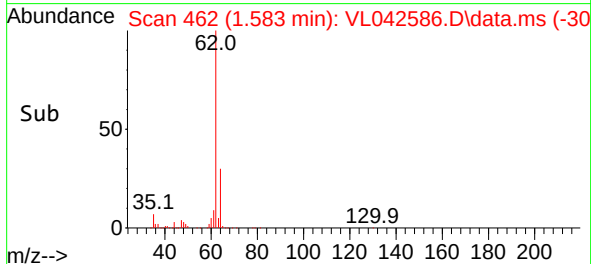
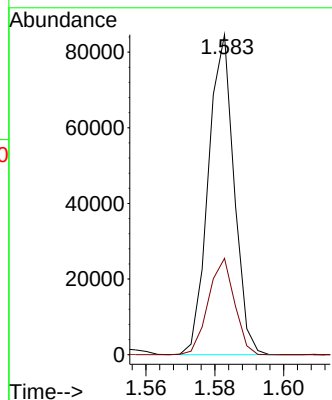
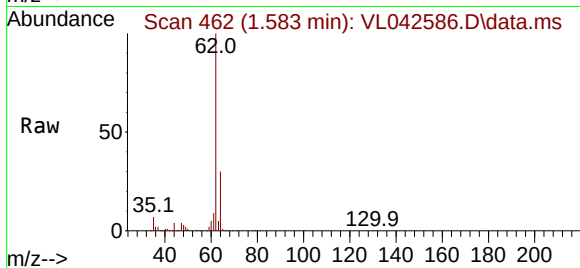




#5
 Vinyl Chloride
 Concen: 8.650 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.003 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56

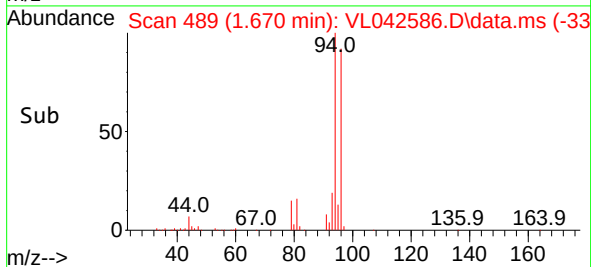
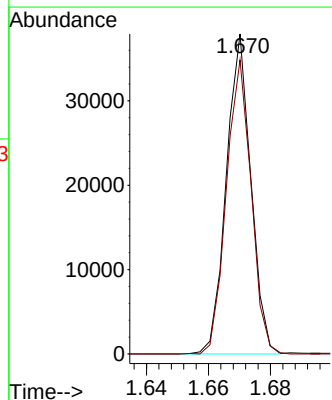
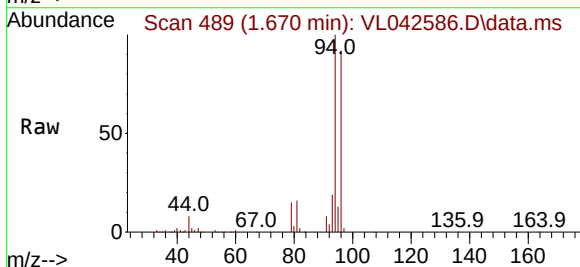
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL052925

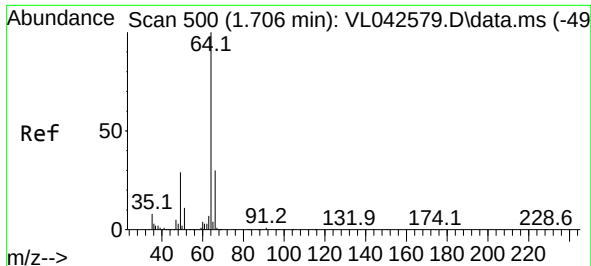
Tgt Ion: 62 Resp: 43925
 Ion Ratio Lower Upper
 62 100
 64 30.1 24.9 37.3



#6
 Bromomethane
 Concen: 8.455 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56

Tgt Ion: 94 Resp: 20899
 Ion Ratio Lower Upper
 94 100
 96 91.9 70.7 106.1

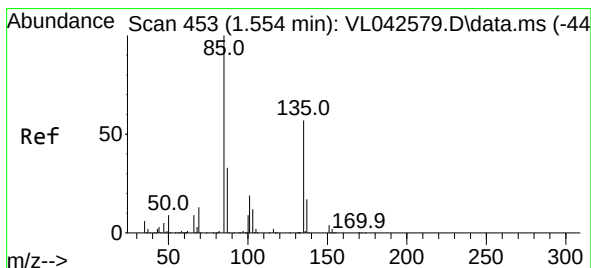
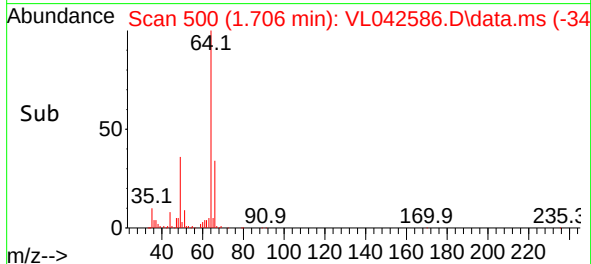
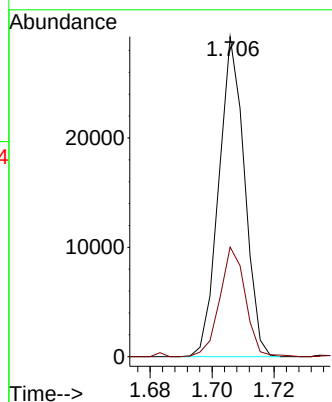
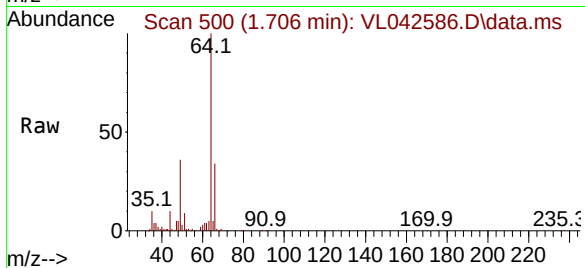




#7
Chloroethane
Concen: 8.541 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

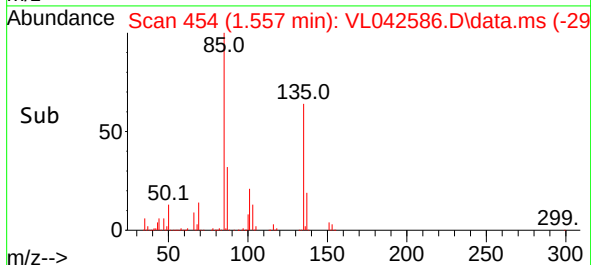
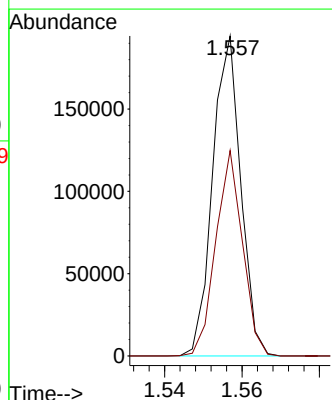
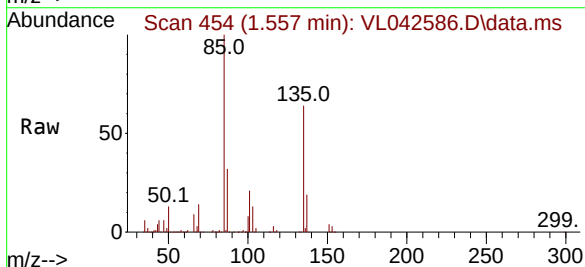
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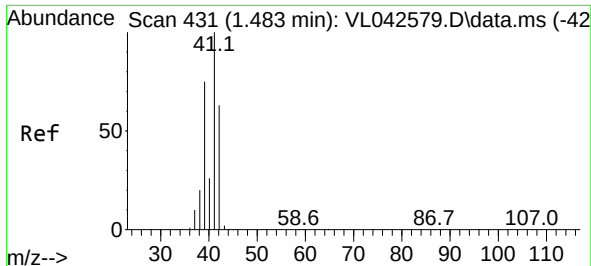
Tgt Ion: 64 Resp: 16853
Ion Ratio Lower Upper
64 100
66 34.3 24.3 36.5



#8
Dichlorotetrafluoroethane
Concen: 9.325 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 85 Resp: 97812
Ion Ratio Lower Upper
85 100
135 61.2 50.2 75.4





#9

Propene

Concen: 8.688 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

Instrument :

MSVOA_L

ClientSampleId :

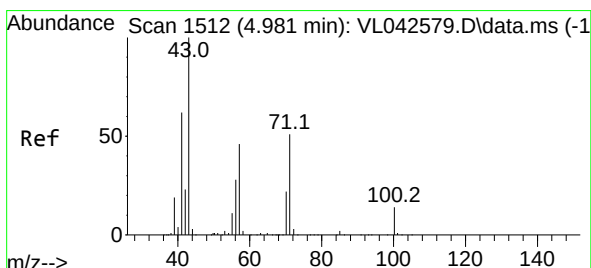
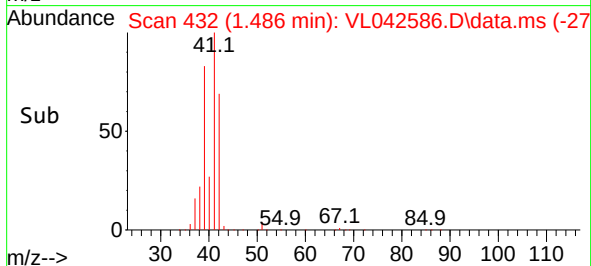
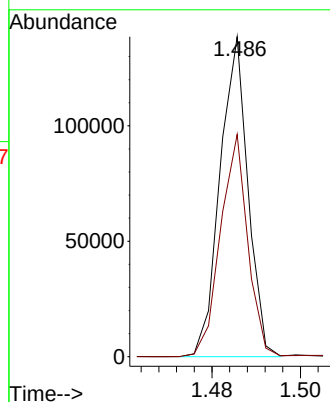
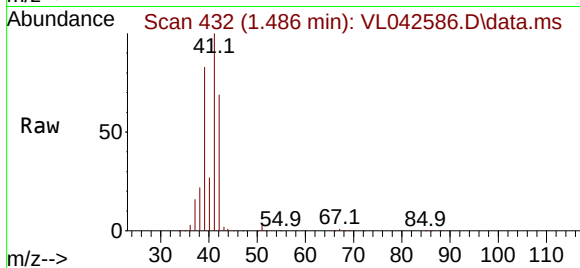
ICVVL052925

Tgt Ion: 41 Resp: 60663

Ion Ratio Lower Upper

41 100

42 68.4 53.3 79.9



#10

Heptane

Concen: 9.102 ppbv

RT: 4.991 min Scan# 1515

Delta R.T. 0.010 min

Lab File: VL042586.D

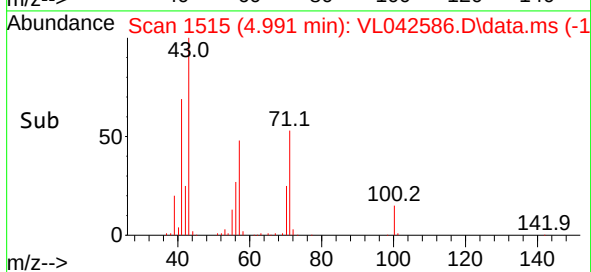
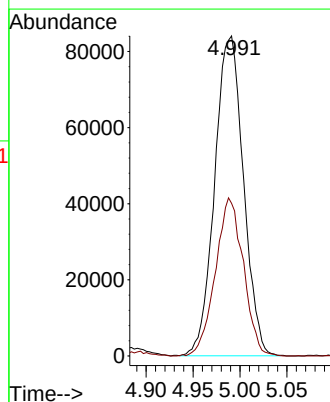
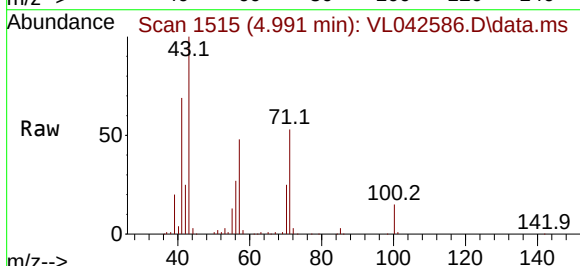
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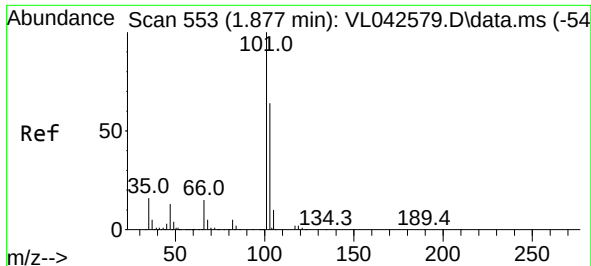
Tgt Ion: 43 Resp: 179146

Ion Ratio Lower Upper

43 100

57 48.0 38.9 58.3

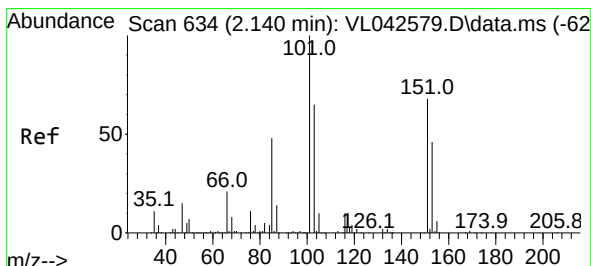
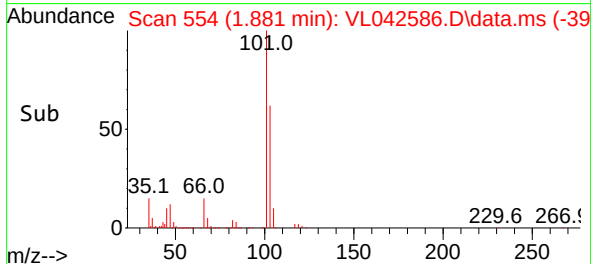
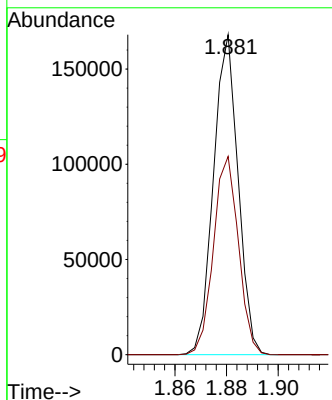
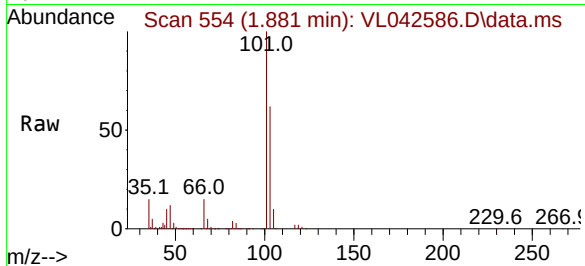




#11
 Trichlorofluoromethane
 Concen: 9.484 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56

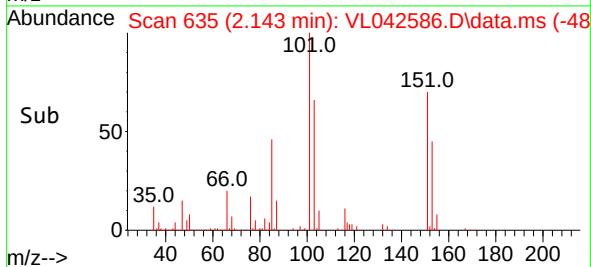
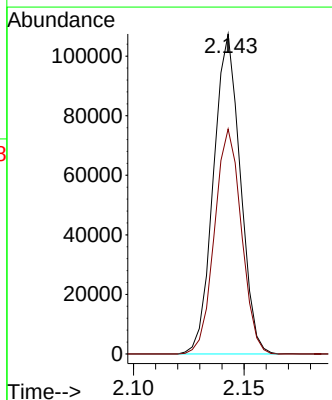
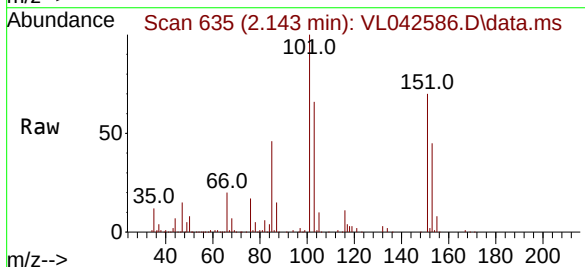
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL052925

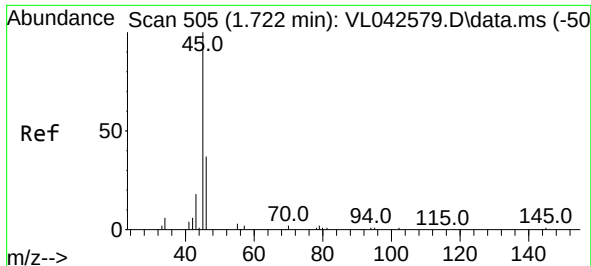
Tgt Ion:101 Resp: 111088
 Ion Ratio Lower Upper
 101 100
 103 61.9 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.839 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.003 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56

Tgt Ion:101 Resp: 90493
 Ion Ratio Lower Upper
 101 100
 151 70.4 55.3 82.9

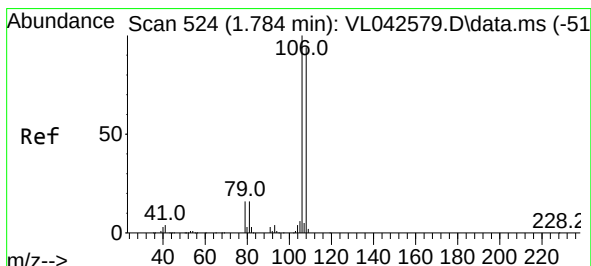
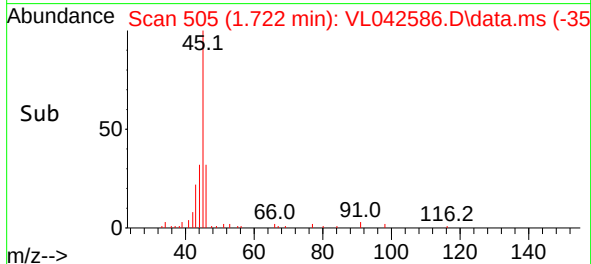
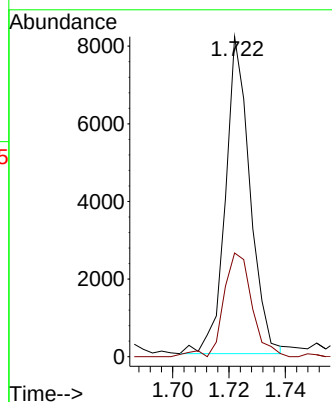
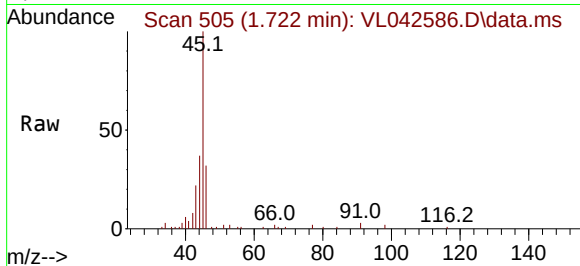




#13
 Ethanol
 Concen: 5.951 ppbv
 RT: 1.722 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56

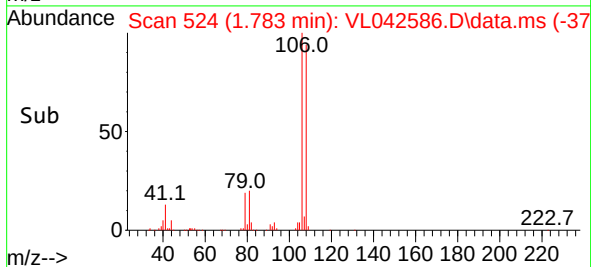
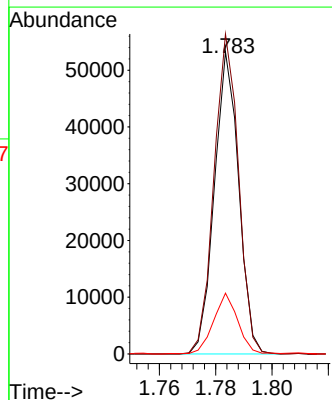
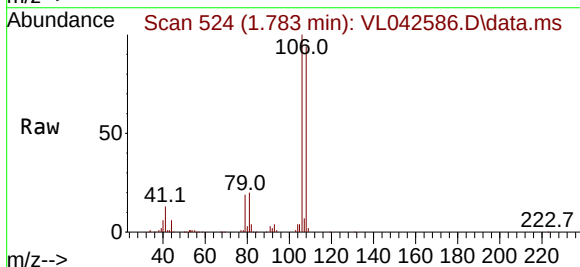
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL052925

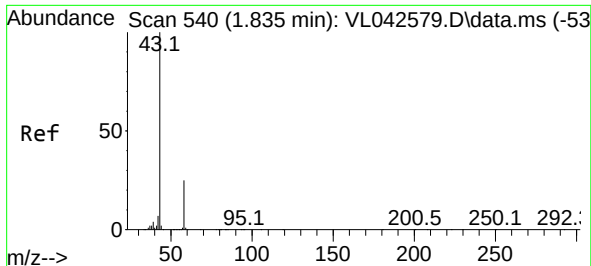
Tgt Ion: 45 Resp: 4952
 Ion Ratio Lower Upper
 45 100
 46 38.2 14.5 58.1



#14
 Bromoethene
 Concen: 9.215 ppbv
 RT: 1.783 min Scan# 524
 Delta R.T. -0.000 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56

Tgt Ion: 108 Resp: 31882
 Ion Ratio Lower Upper
 108 100
 106 106.8 87.9 131.9
 79 21.2 15.6 23.4





#15

Acetone

Concen: 7.596 ppbv

RT: 1.838 min Scan# 540

Delta R.T. 0.003 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

Instrument :

MSVOA_L

ClientSampleId :

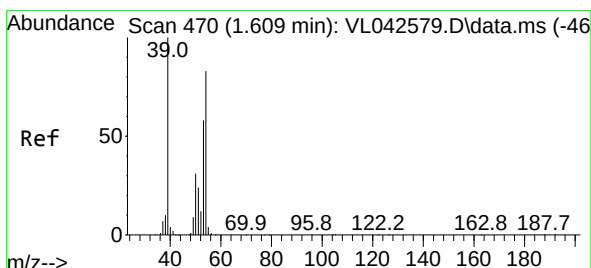
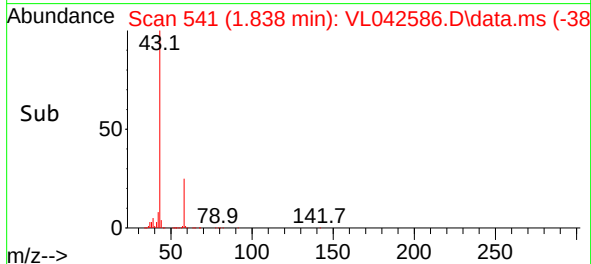
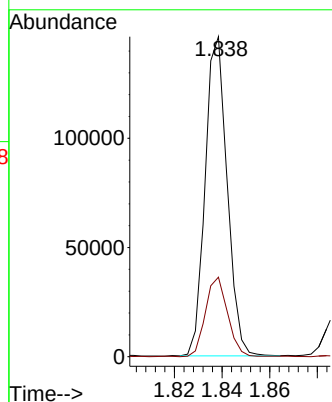
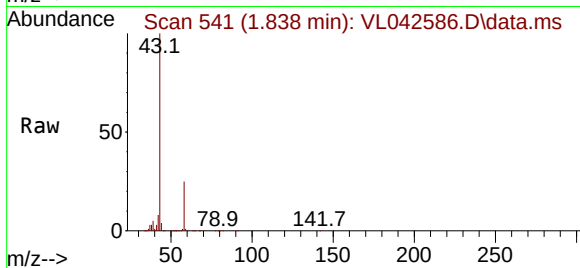
ICVVL052925

Tgt Ion: 43 Resp: 93713

Ion Ratio Lower Upper

43 100

58 25.5 21.0 31.4



#16

1,3-Butadiene

Concen: 8.807 ppbv

RT: 1.612 min Scan# 471

Delta R.T. 0.003 min

Lab File: VL042586.D

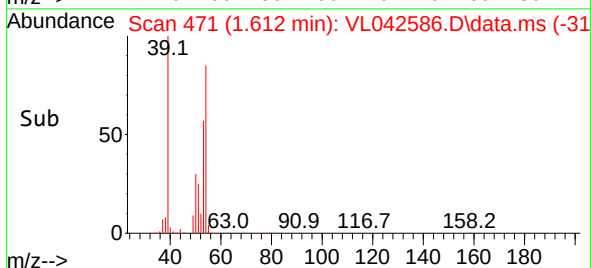
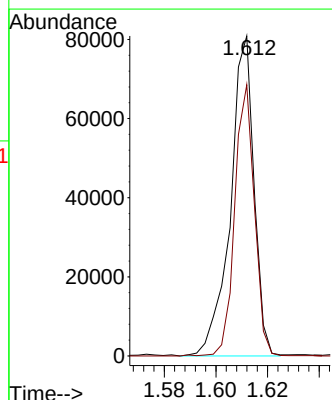
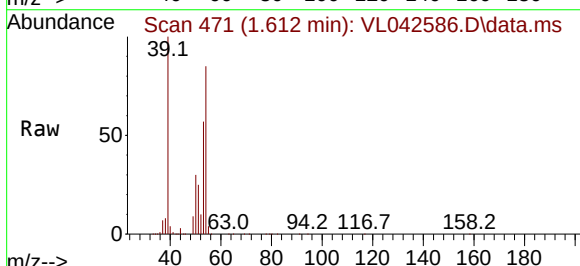
Acq: 29 May 2025 14:56

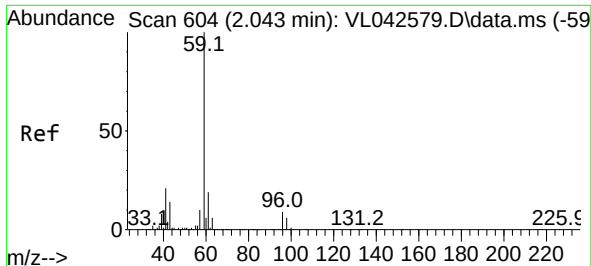
Tgt Ion: 39 Resp: 51473

Ion Ratio Lower Upper

39 100

54 70.6 57.9 86.9

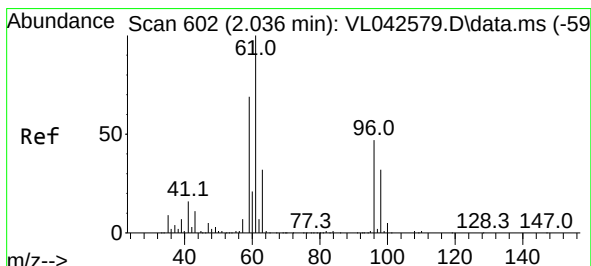
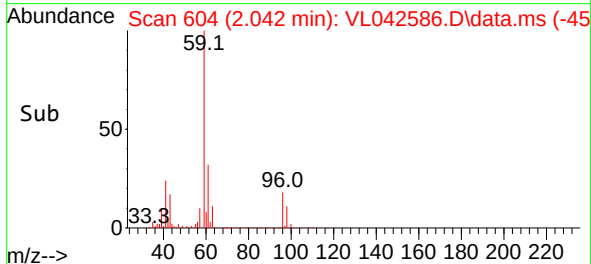
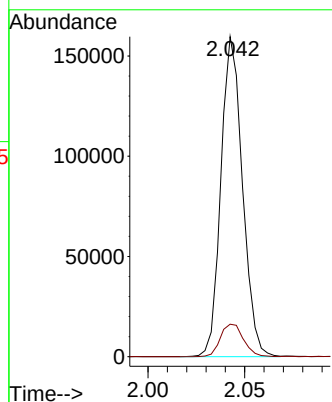
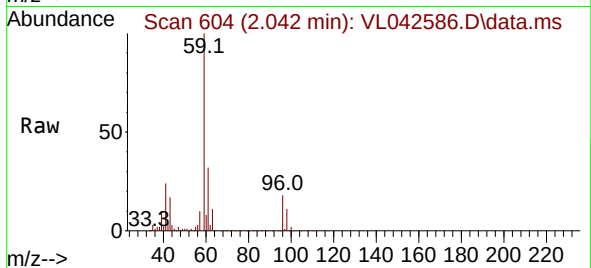




#17
tert-Butyl alcohol
Concen: 9.611 ppbv
RT: 2.042 min Scan# 604
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

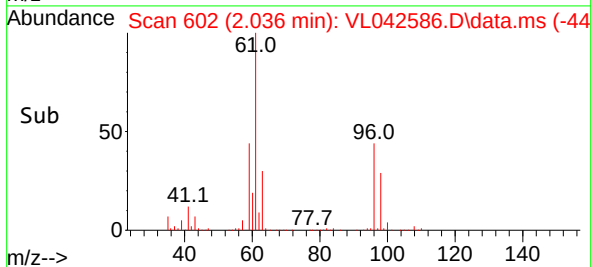
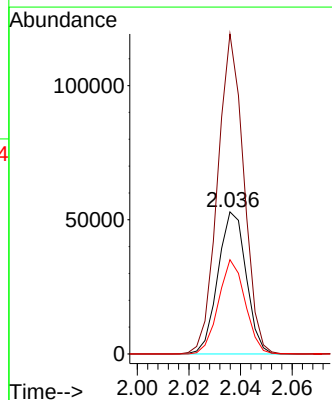
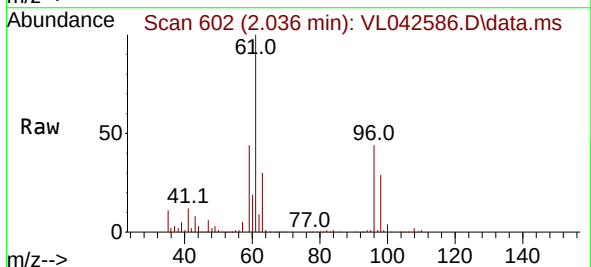
Instrument :
MSVOA_1
ClientSampleId :
ICVVL052925

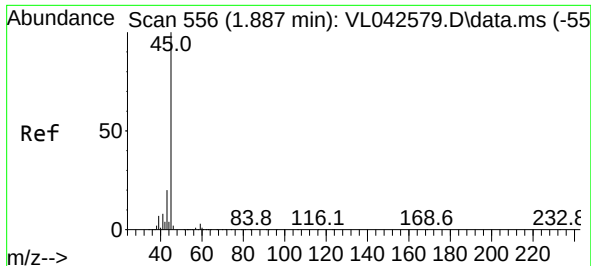
Tgt Ion: 59 Resp: 123536
Ion Ratio Lower Upper
59 100
57 11.0 8.6 12.8



#18
1,1-Dichloroethene
Concen: 9.423 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 96 Resp: 40171
Ion Ratio Lower Upper
96 100
61 225.1 171.1 256.7
98 66.4 54.4 81.6

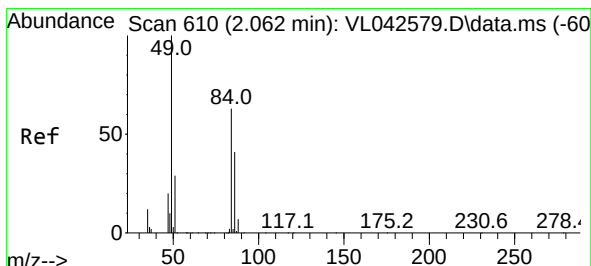
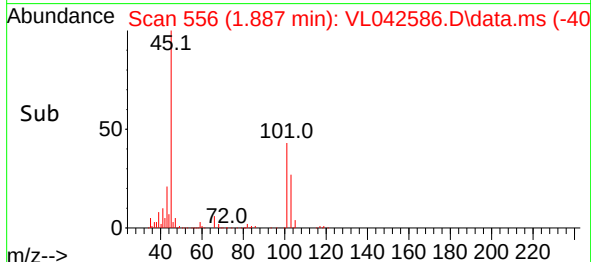
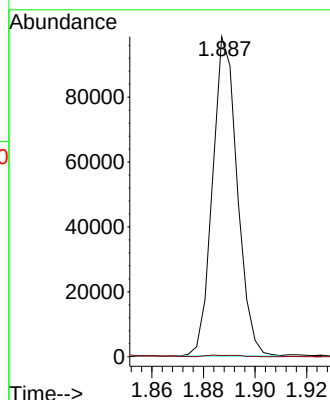
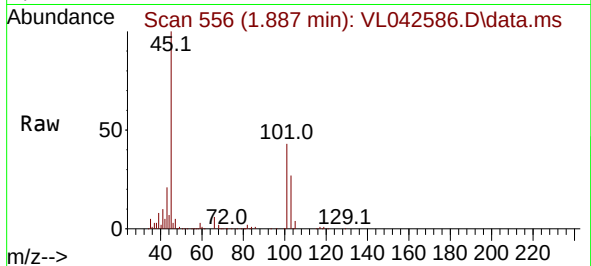




#19
Isopropyl Alcohol
Concen: 8.899 ppbv
RT: 1.887 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

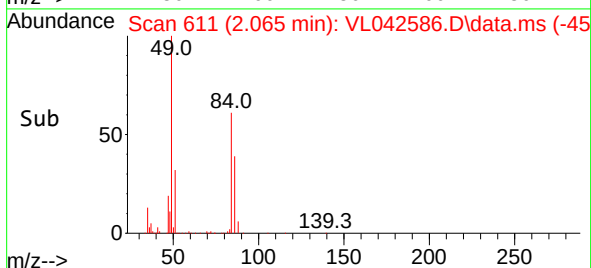
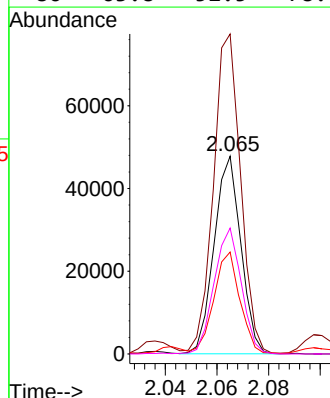
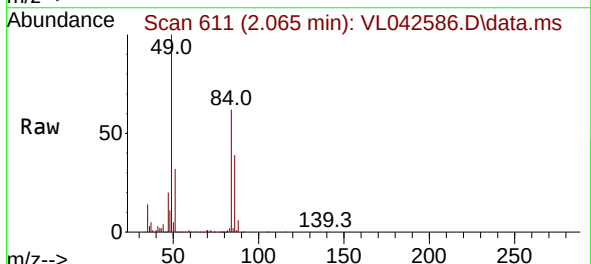
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

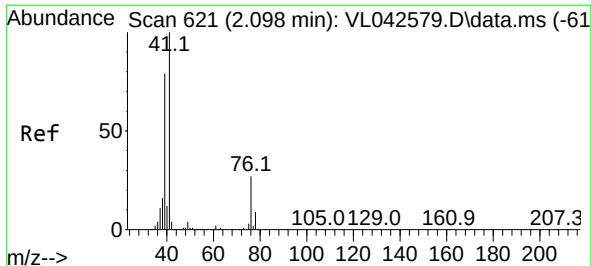
Tgt Ion: 45 Resp: 65635
Ion Ratio Lower Upper
45 100
58 36.5 29.4 44.2



#20
Methylene Chloride
Concen: 8.444 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 84 Resp: 34380
Ion Ratio Lower Upper
84 100
49 161.6 128.8 193.2
51 51.3 38.6 57.8
86 63.8 52.5 78.7

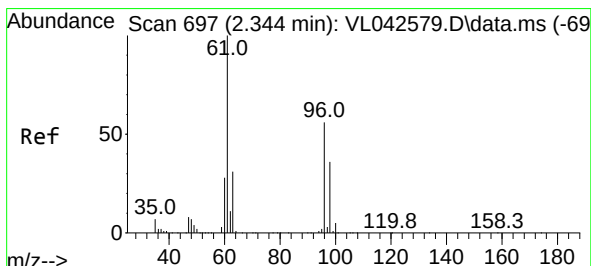
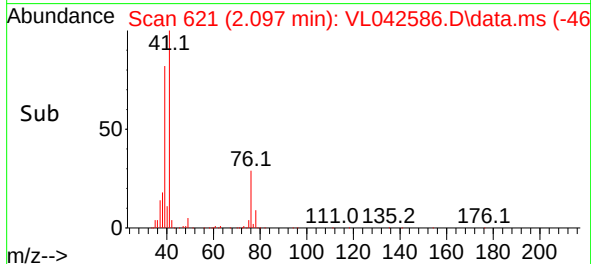
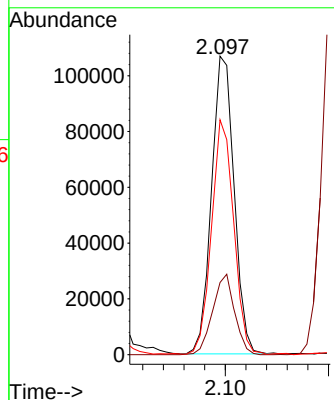
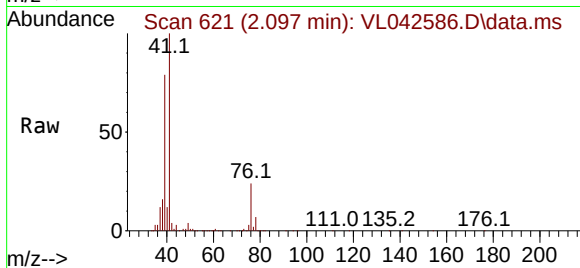




#21
 Allyl Chloride
 Concen: 9.297 ppbv
 RT: 2.097 min Scan# 611
 Delta R.T. -0.000 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56

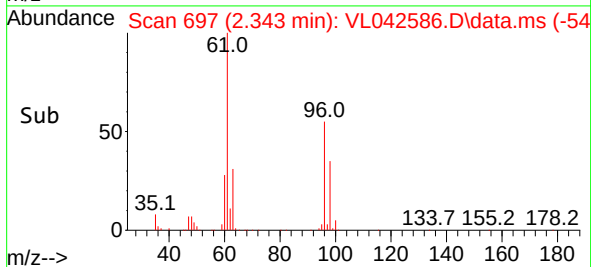
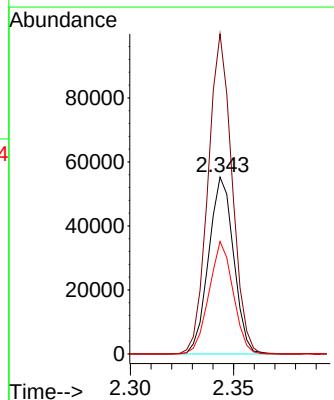
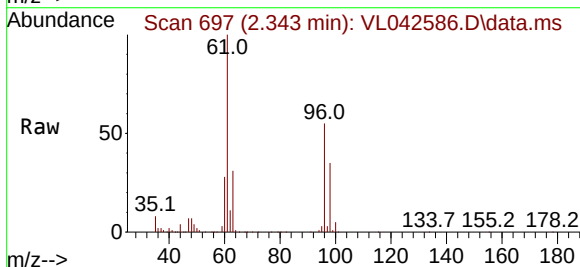
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL052925

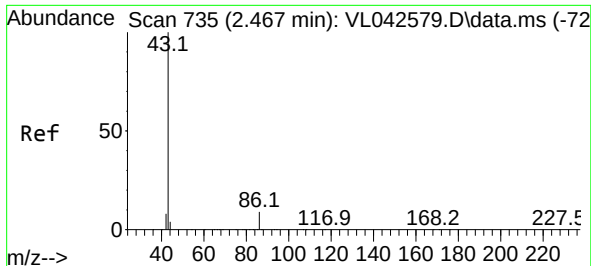
Tgt Ion: 41 Resp: 80936
 Ion Ratio Lower Upper
 41 100
 76 26.2 21.2 31.8
 39 78.2 60.9 91.3



#22
 trans-1,2-Dichloroethene
 Concen: 9.742 ppbv
 RT: 2.343 min Scan# 697
 Delta R.T. -0.000 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56

Tgt Ion: 96 Resp: 46389
 Ion Ratio Lower Upper
 96 100
 61 180.9 142.6 214.0
 98 63.6 51.0 76.4



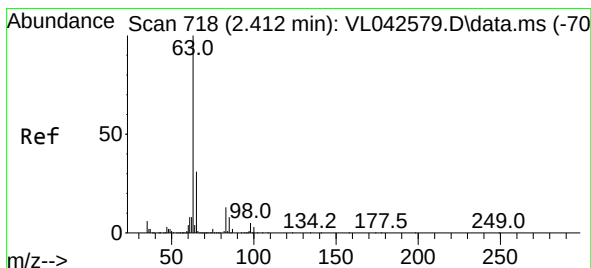
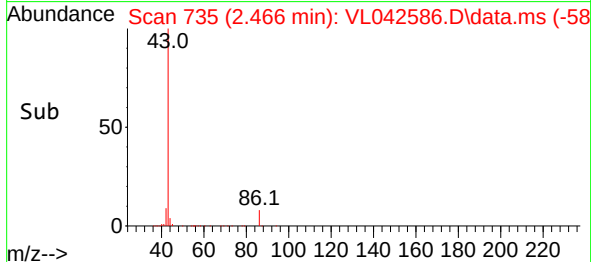
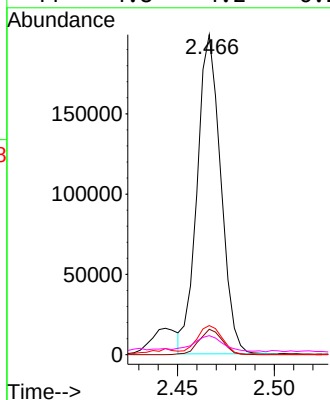
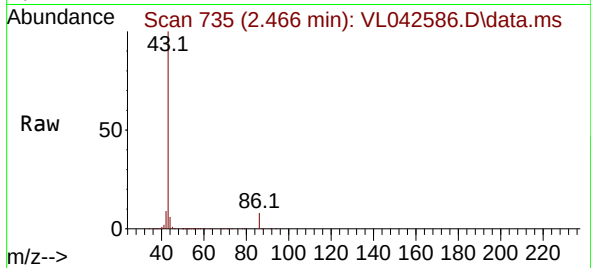


#23
 Vinyl Acetate
 Concen: 10.103 ppbv
 RT: 2.466 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL052925

Tgt Ion: 43 Resp: 168496

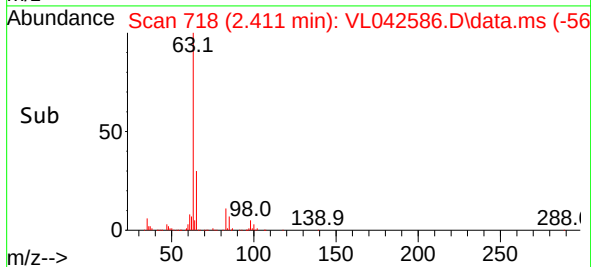
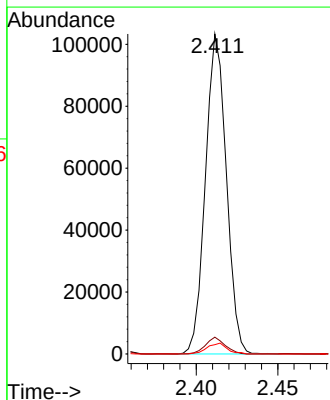
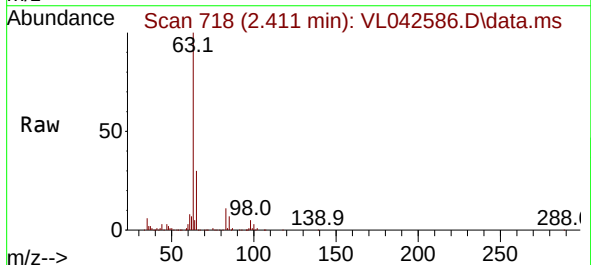
Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.6	9.8
42	9.0	7.0	10.4
44	4.8	4.2	6.2

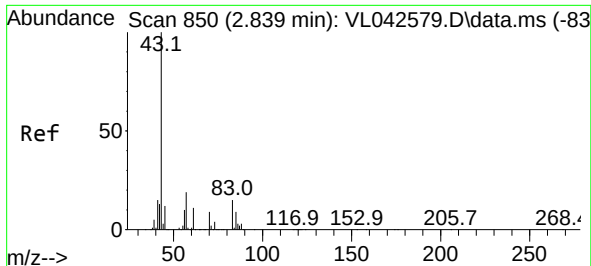


#24
 1,1-Dichloroethane
 Concen: 9.408 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56

Tgt Ion: 63 Resp: 92180

Ion	Ratio	Lower	Upper
63	100		
98	5.2	2.4	7.1
100	2.9	1.4	4.0

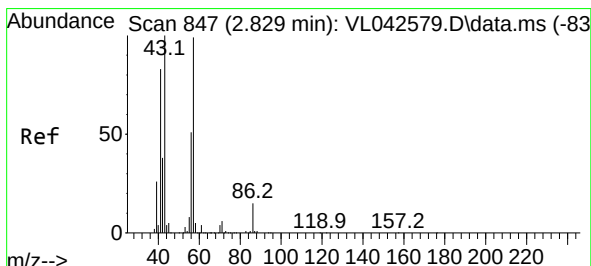
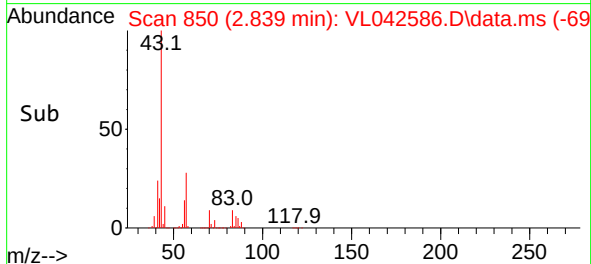
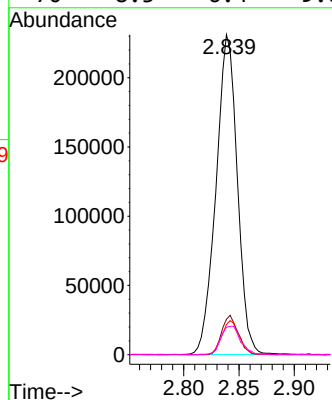
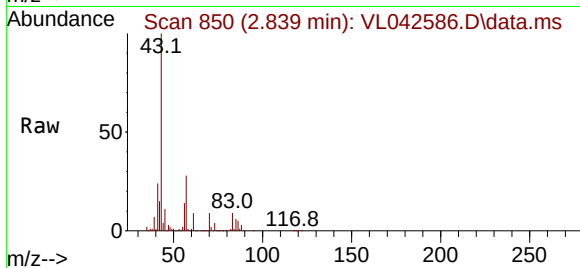




#25
Ethyl Acetate
Concen: 9.171 ppbv
RT: 2.839 min Scan# 850
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

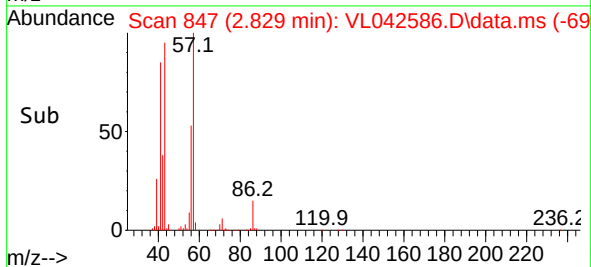
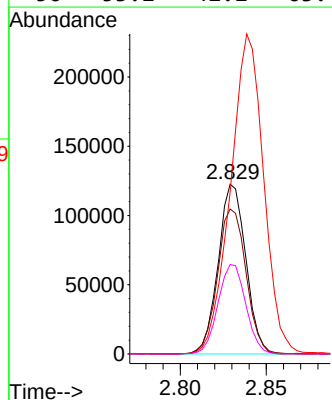
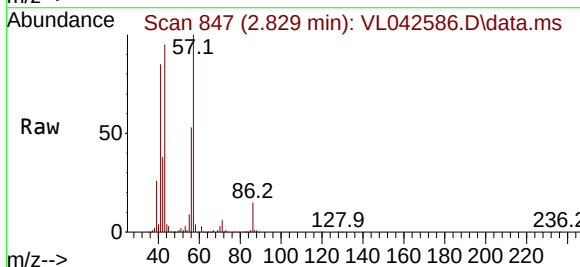
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

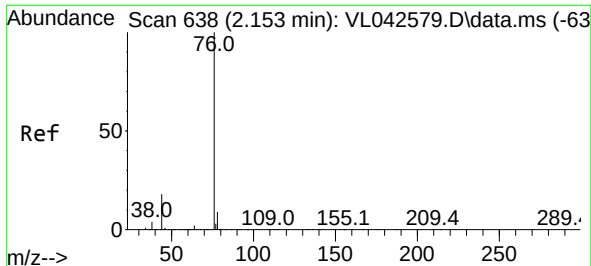
Tgt Ion:	43	Resp:	309666
Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.2	12.2
61	8.6	7.1	10.7
70	8.3	6.4	9.6



#26
Hexane
Concen: 8.889 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:	57	Resp:	136378
Ion	Ratio	Lower	Upper
57	100		
41	88.9	70.6	106.0
43	227.4	181.1	271.7
56	53.2	42.2	63.4

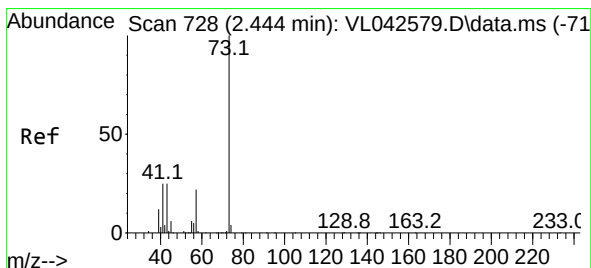
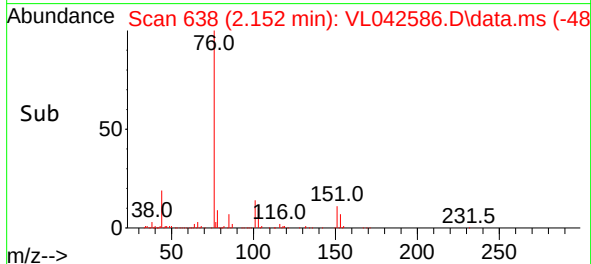
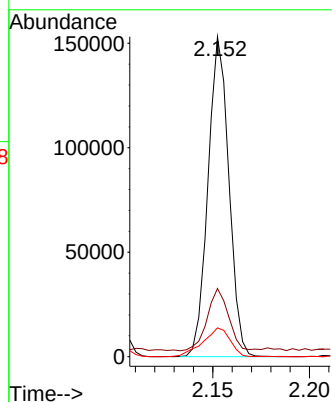
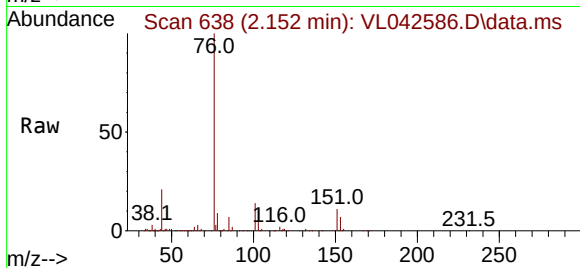




#27
Carbon Disulfide
Concen: 9.743 ppbv
RT: 2.152 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

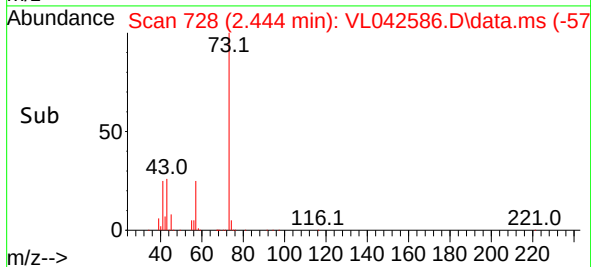
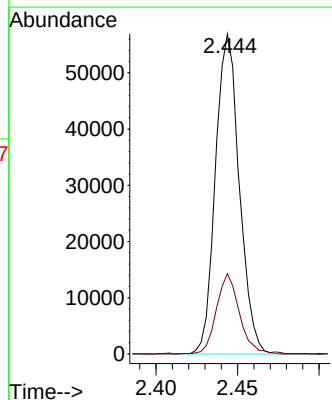
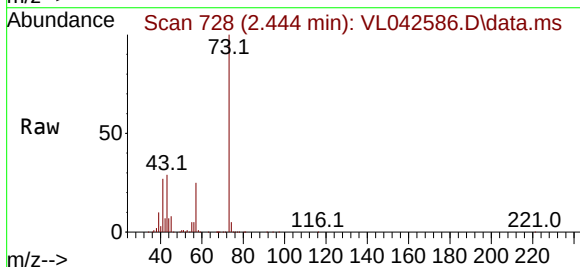
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

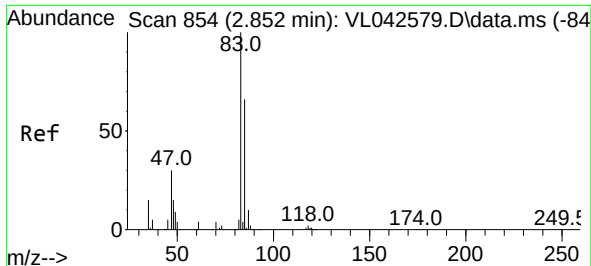
Tgt Ion: 76 Resp: 114756
Ion Ratio Lower Upper
76 100
44 20.4 21.3 31.9#
78 11.8 9.4 14.0



#28
Methyl tert-Butyl Ether
Concen: 9.302 ppbv
RT: 2.444 min Scan# 728
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 73 Resp: 57913
Ion Ratio Lower Upper
73 100
57 24.7 19.9 29.9





#29

Chloroform

Concen: 9.057 ppbv

RT: 2.852 min Scan# 854

Delta R.T. -0.000 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

Instrument :

MSVOA_L

ClientSampleId :

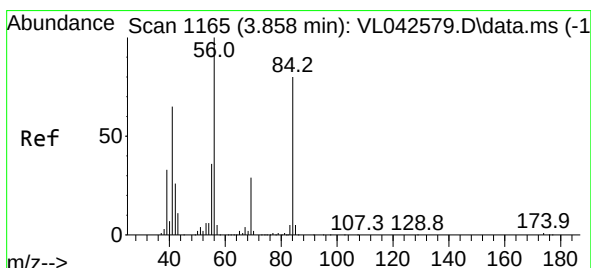
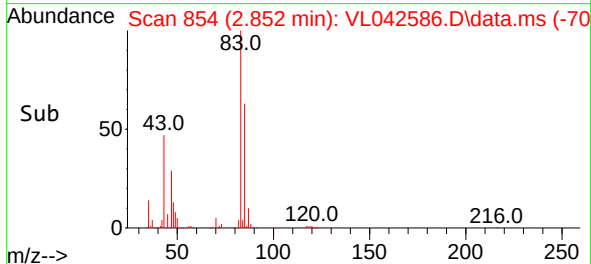
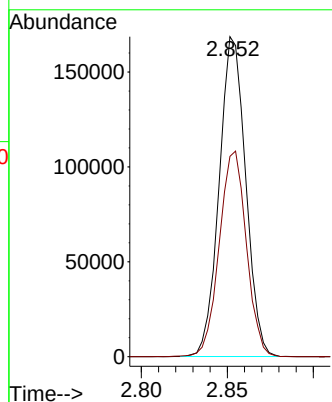
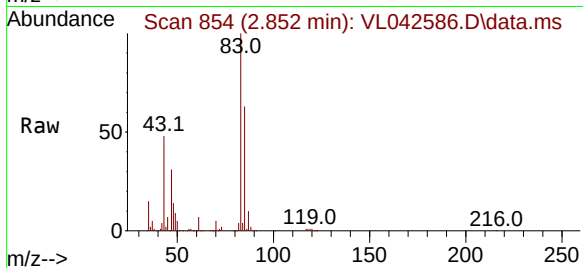
ICVVL052925

Tgt Ion: 83 Resp: 180696

Ion Ratio Lower Upper

83 100

85 62.6 52.8 79.2



#30

Cyclohexane

Concen: 9.198 ppbv

RT: 3.861 min Scan# 1166

Delta R.T. 0.003 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

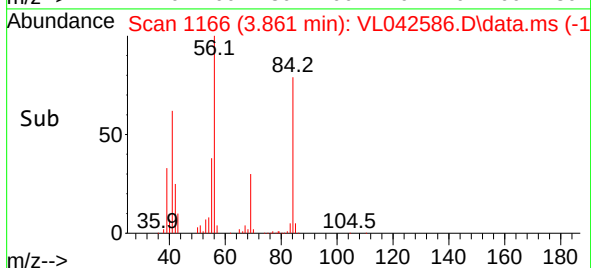
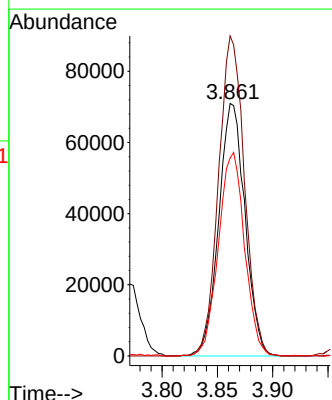
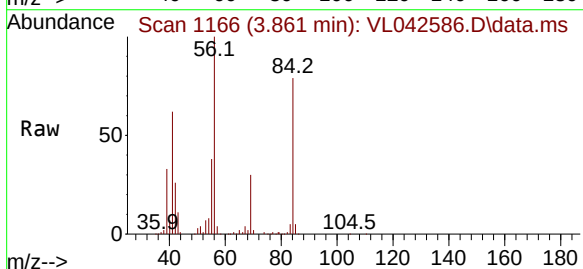
Tgt Ion: 84 Resp: 116986

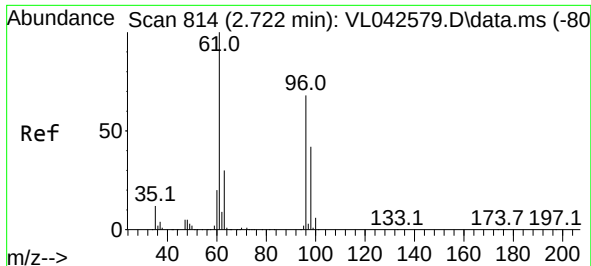
Ion Ratio Lower Upper

84 100

56 125.0 103.7 155.5

41 80.6 65.1 97.7

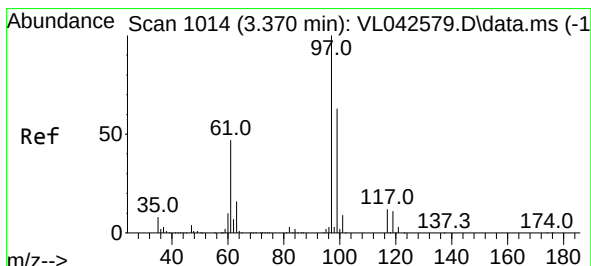
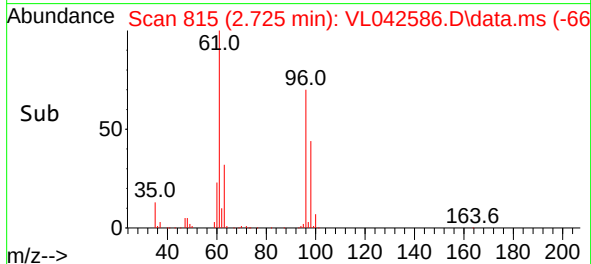
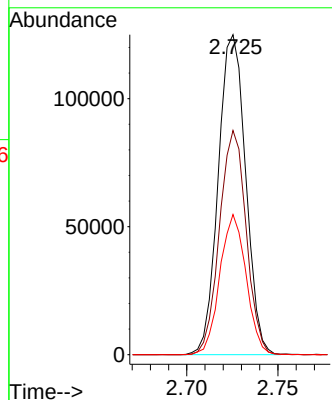
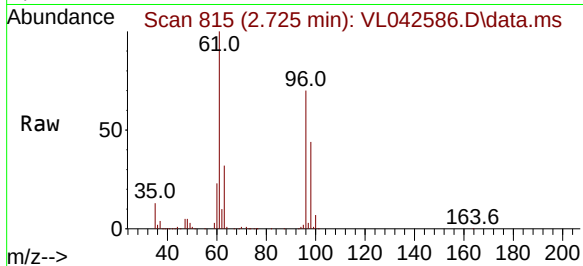




#31
 cis-1,2-Dichloroethene
 Concen: 9.307 ppbv
 RT: 2.725 min Scan# 814
 Delta R.T. 0.003 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56

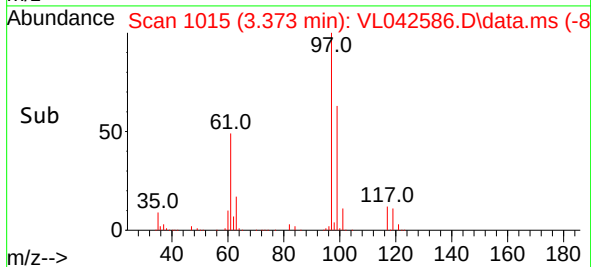
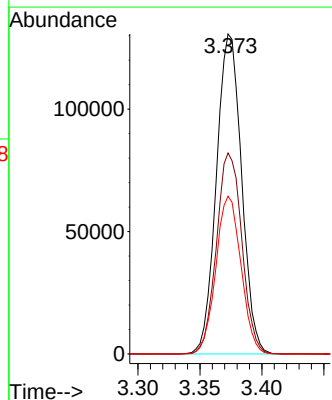
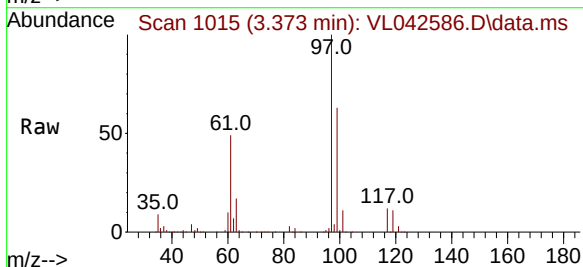
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL052925

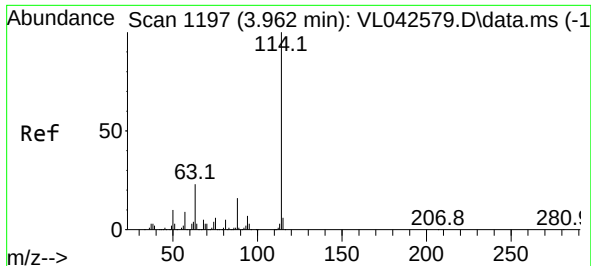
Tgt Ion: 61 Resp: 130619
 Ion Ratio Lower Upper
 61 100
 96 70.0 54.5 81.7
 98 43.8 33.4 50.2



#32
 1,1,1-Trichloroethane
 Concen: 9.077 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.003 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56

Tgt Ion: 97 Resp: 185017
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.0 76.6
 61 49.3 39.4 59.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1197

Delta R.T. 0.003 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

Instrument :

MSVOA_1

ClientSampleId :

ICVVL052925

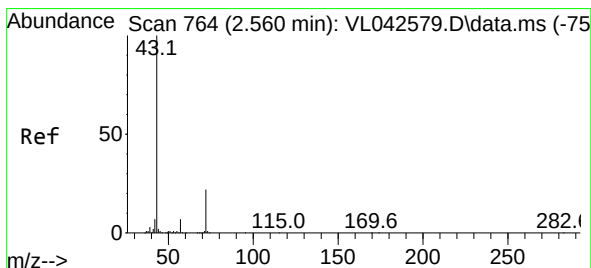
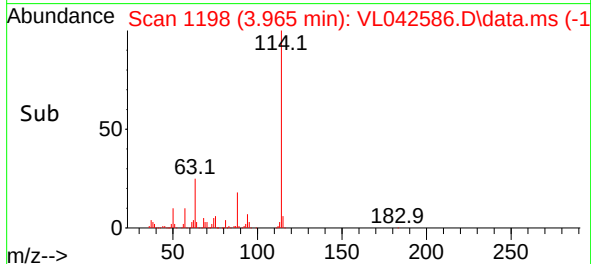
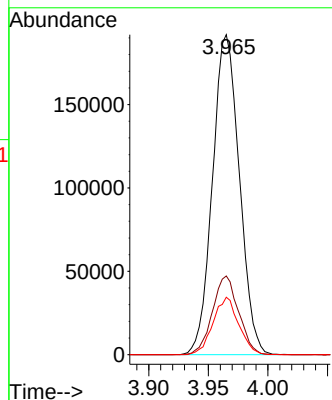
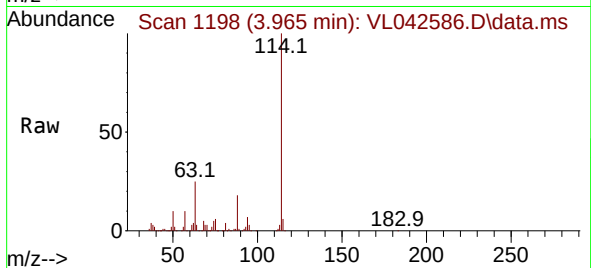
Tgt Ion:114 Resp: 301054

Ion Ratio Lower Upper

114 100

63 24.0 19.0 28.6

88 17.1 13.6 20.4



#34

2-Butanone

Concen: 9.233 ppbv

RT: 2.560 min Scan# 764

Delta R.T. -0.000 min

Lab File: VL042586.D

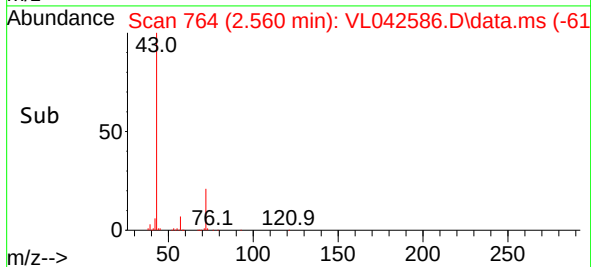
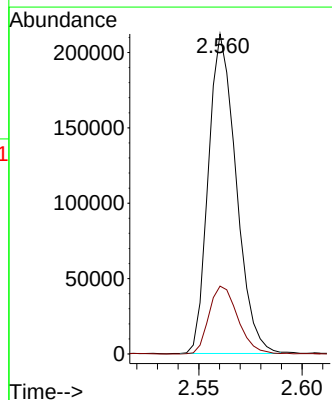
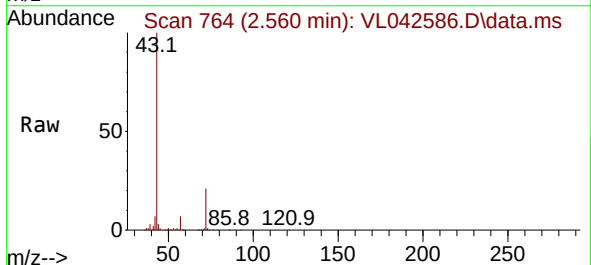
Acq: 29 May 2025 14:56

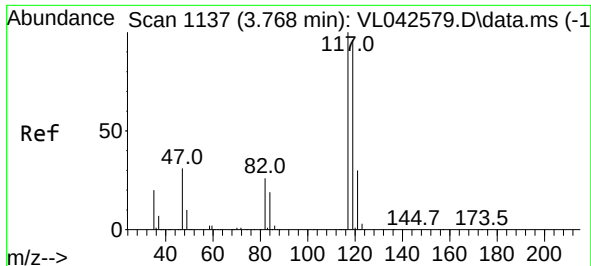
Tgt Ion: 43 Resp: 198226

Ion Ratio Lower Upper

43 100

72 22.3 17.7 26.5

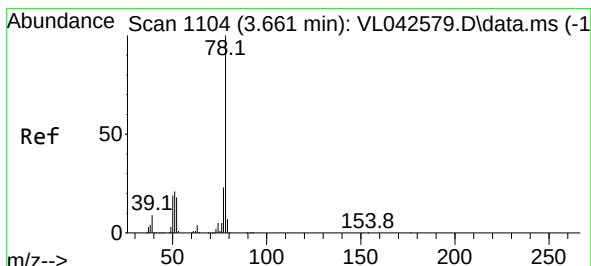
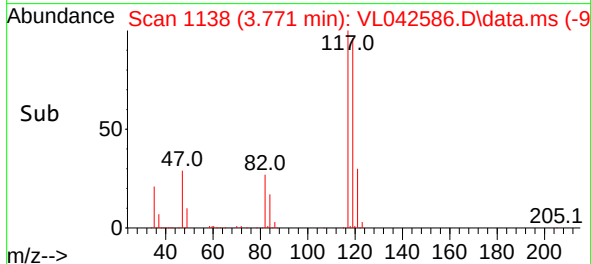
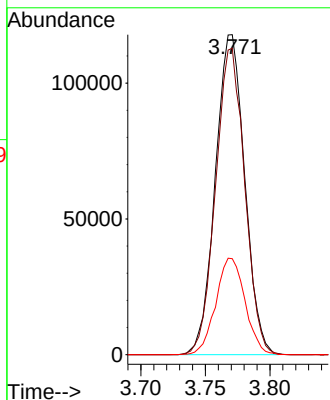
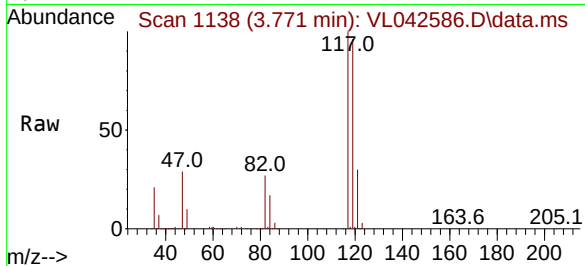




#35
Carbon Tetrachloride
Concen: 9.374 ppbv
RT: 3.771 min Scan# 1137
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

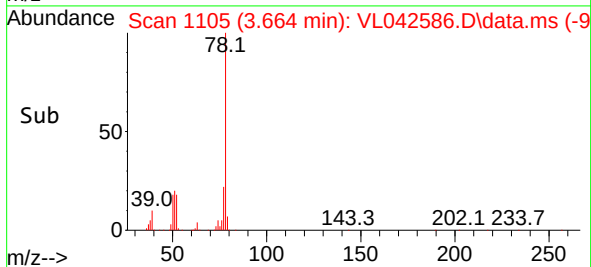
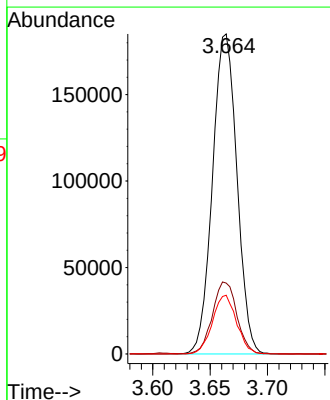
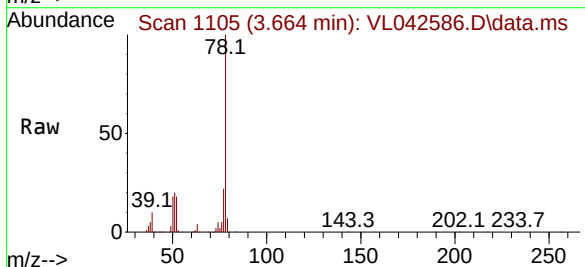
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

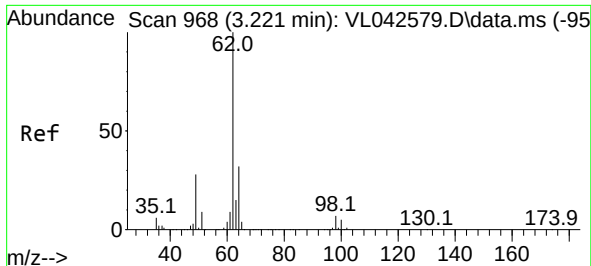
Tgt Ion:117 Resp: 186286
Ion Ratio Lower Upper
117 100
119 95.8 76.8 115.2
121 30.0 24.3 36.5



#36
Benzene
Concen: 9.253 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 78 Resp: 274314
Ion Ratio Lower Upper
78 100
77 22.1 18.2 27.2
50 18.4 15.2 22.8

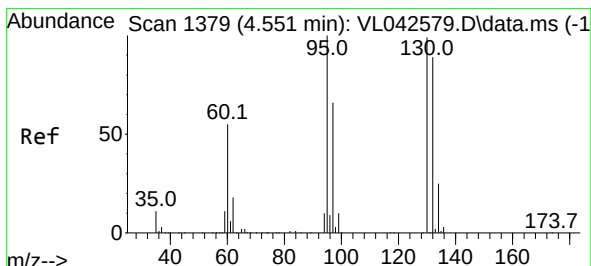
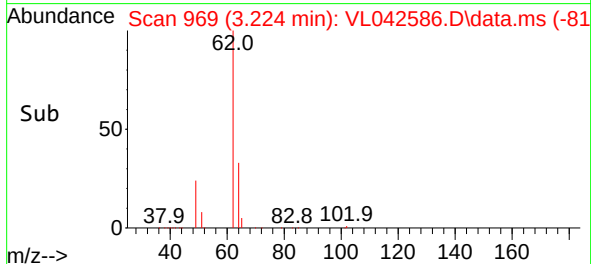
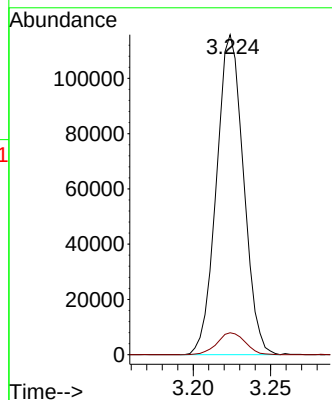
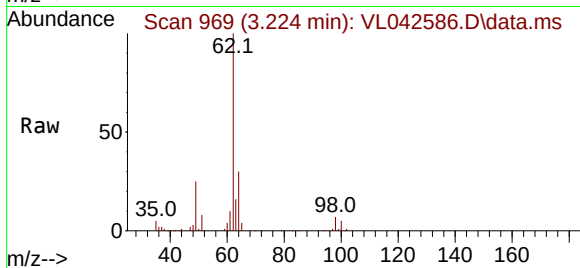




#37
1,2-Dichloroethane
Concen: 9.555 ppbv
RT: 3.224 min Scan# 90
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

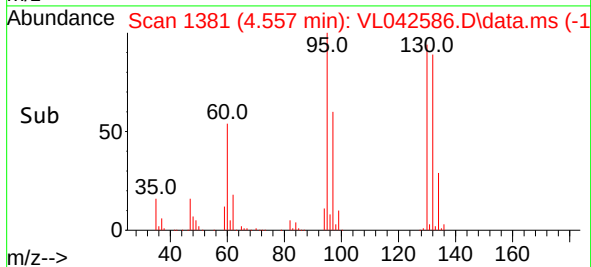
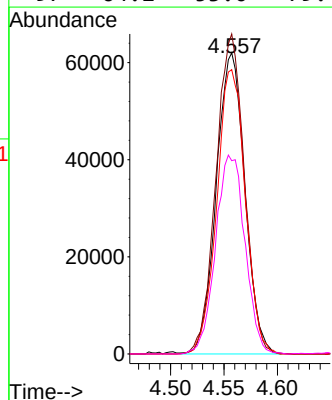
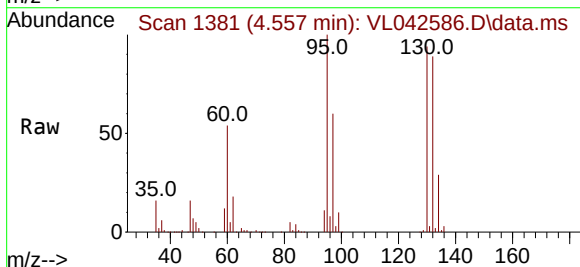
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

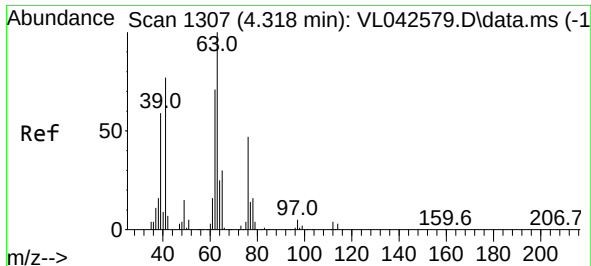
Tgt Ion: 62 Resp: 140785
Ion Ratio Lower Upper
62 100
98 7.1 6.1 9.1



#38
Trichloroethene
Concen: 9.133 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. 0.006 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 130 Resp: 115086
Ion Ratio Lower Upper
130 100
95 106.1 80.6 121.0
132 94.4 71.8 107.6
97 64.2 53.0 79.4





#39

1,2-Dichloropropane

Concen: 8.988 ppbv

RT: 4.324 min Scan# 1

Delta R.T. 0.006 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL052925

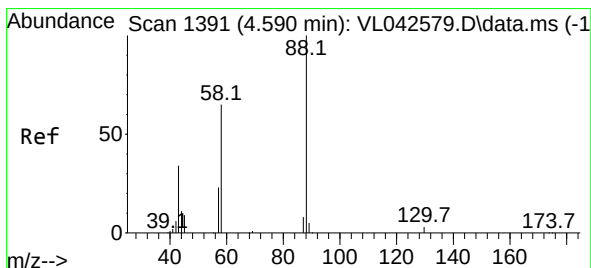
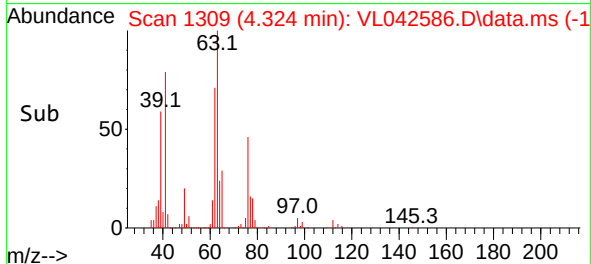
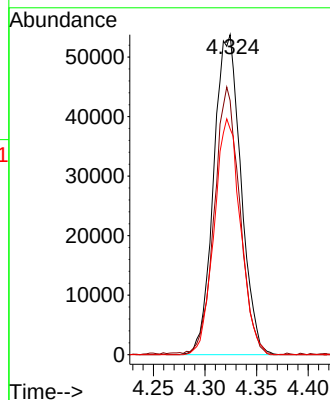
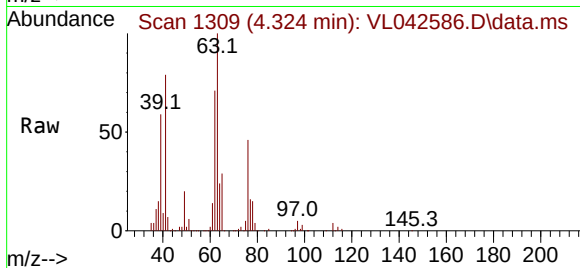
Tgt Ion: 63 Resp: 98542

Ion Ratio Lower Upper

63 100

41 79.3 61.8 92.6

62 70.6 56.6 85.0



#40

1,4-Dioxane

Concen: 9.306 ppbv

RT: 4.590 min Scan# 1391

Delta R.T. -0.000 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

Tgt Ion: 88 Resp: 45655

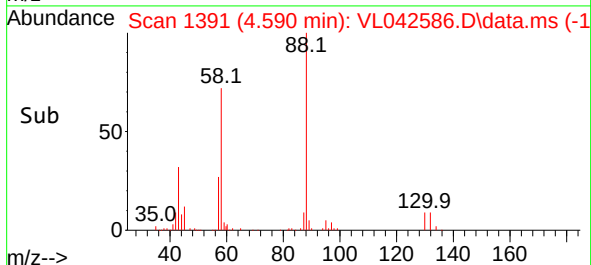
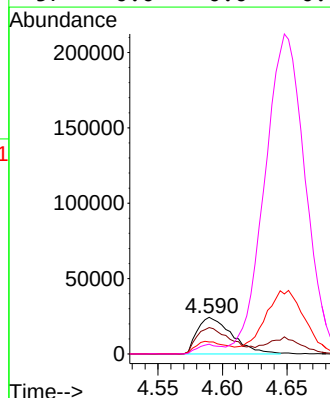
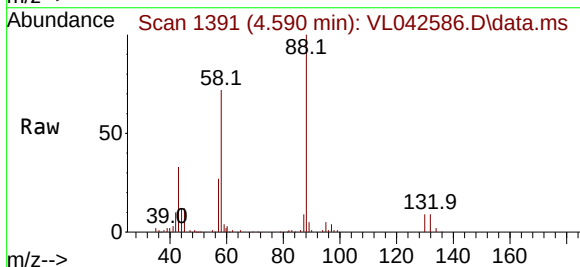
Ion Ratio Lower Upper

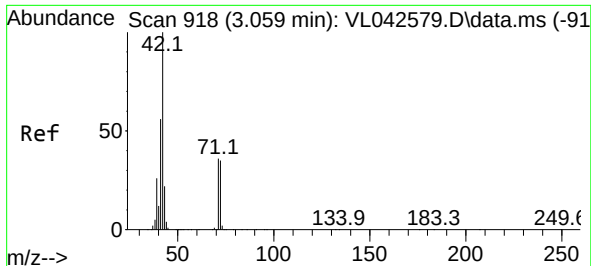
88 100

58 68.9 55.8 83.8

43 30.9 24.8 37.2

57 0.0 0.0 0.0

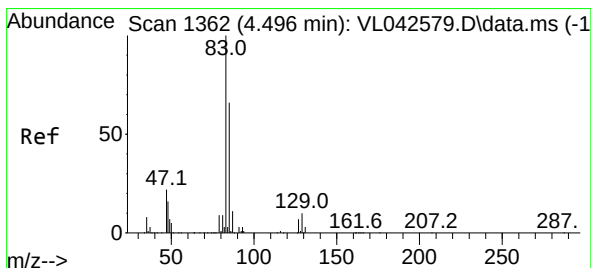
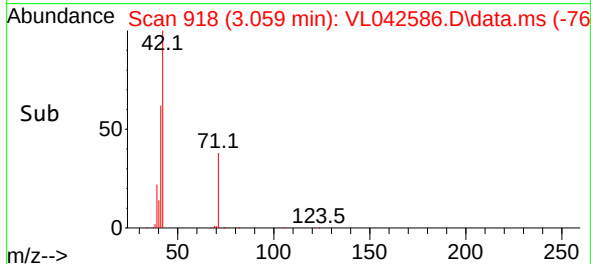
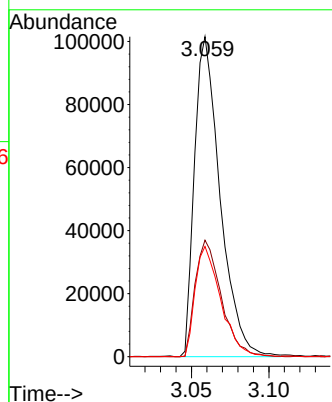
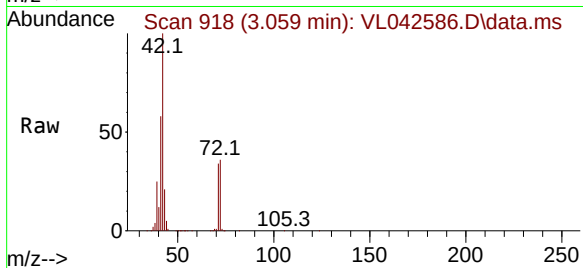




#41
Tetrahydrofuran
Concen: 9.309 ppbv
RT: 3.059 min Scan# 918
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

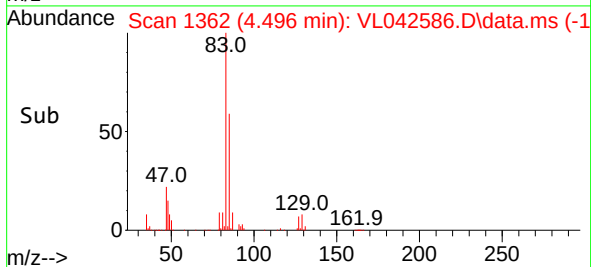
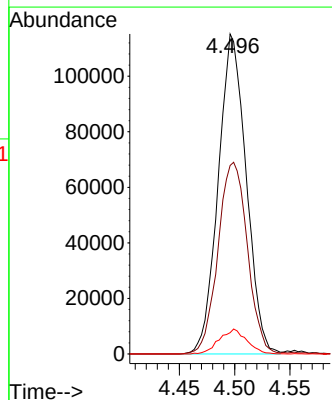
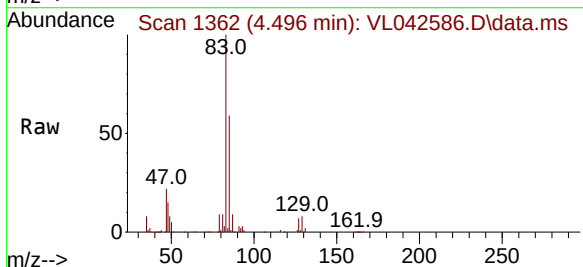
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

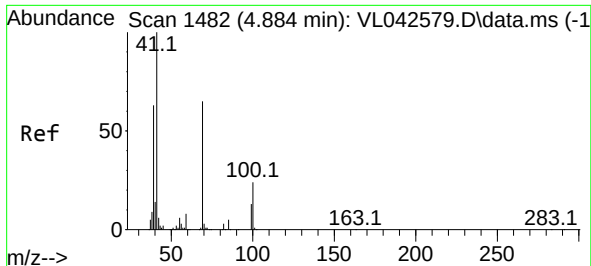
Tgt Ion: 42 Resp: 116984
Ion Ratio Lower Upper
42 100
72 37.0 28.9 43.3
71 34.6 28.5 42.7



#42
Bromodichloromethane
Concen: 9.676 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 83 Resp: 202489
Ion Ratio Lower Upper
83 100
85 58.9 52.7 79.1
127 6.7 5.8 8.6

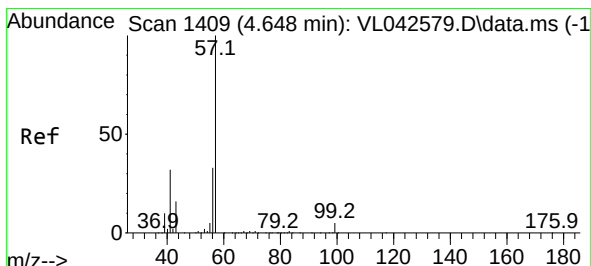
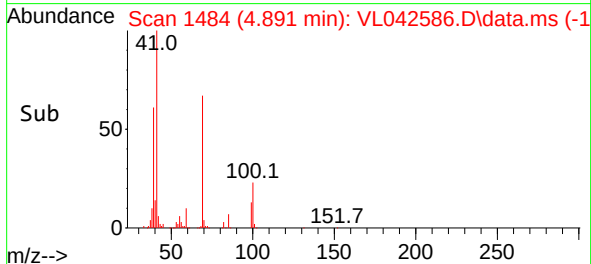
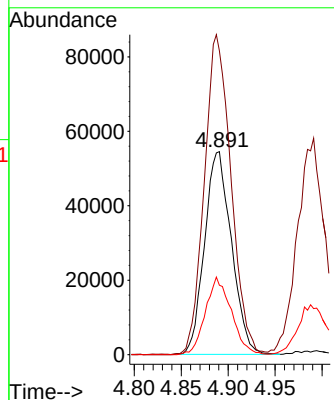
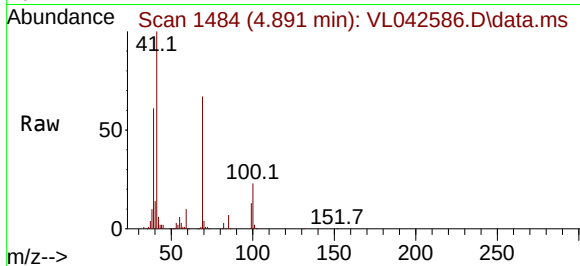




#43
Methyl Methacrylate
Concen: 9.421 ppbv
RT: 4.891 min Scan# 1482
Delta R.T. 0.006 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

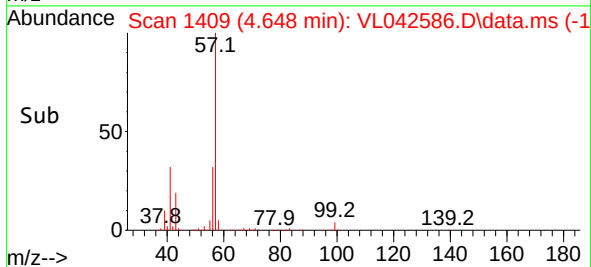
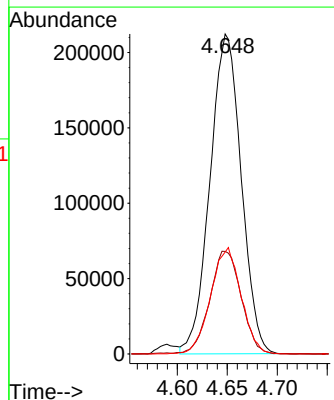
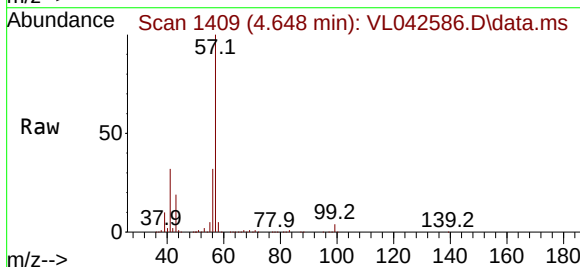
Instrument :
MSVOA_1
ClientSampleId :
ICVVL052925

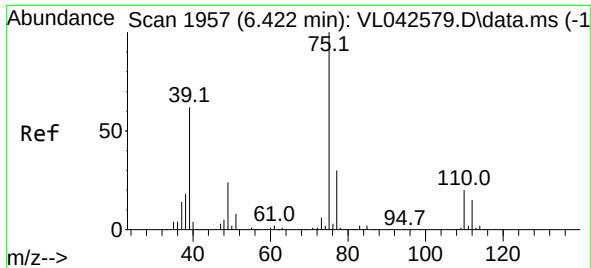
Tgt Ion: 69 Resp: 108397
Ion Ratio Lower Upper
69 100
41 157.1 124.6 187.0
100 36.8 29.9 44.9



#44
2,2,4-Trimethylpentane
Concen: 9.093 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 57 Resp: 461095
Ion Ratio Lower Upper
57 100
41 32.4 26.1 39.1
56 32.4 25.9 38.9

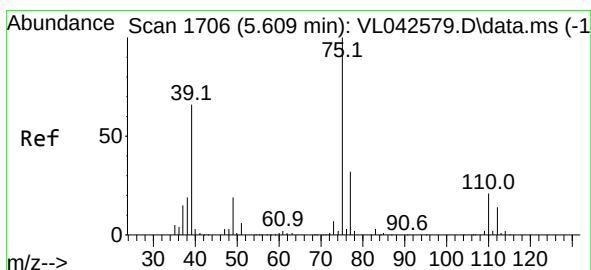
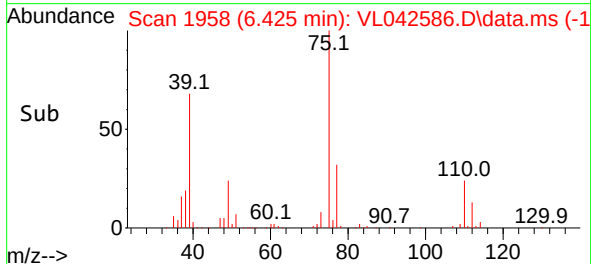
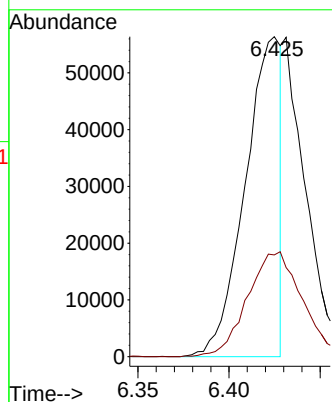
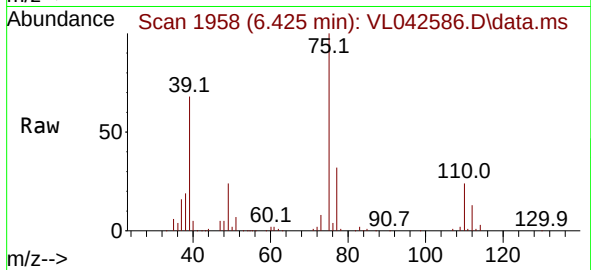




#45
 t-1,3-Dichloropropene
 Concen: 5.866 ppbv
 RT: 6.425 min Scan# 1957
 Delta R.T. 0.003 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56

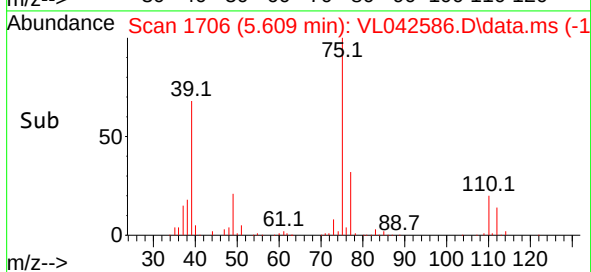
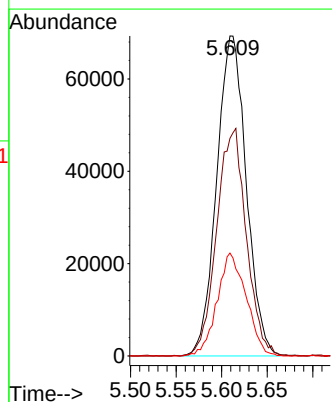
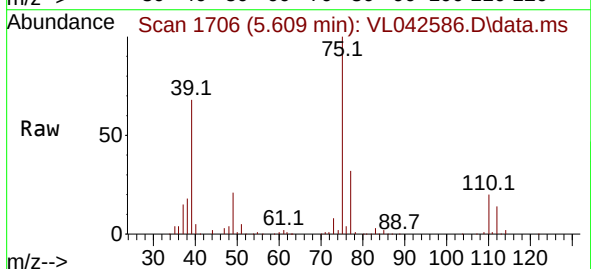
Instrument :
 MSVOA_1
 ClientSampleId :
 ICVVL052925

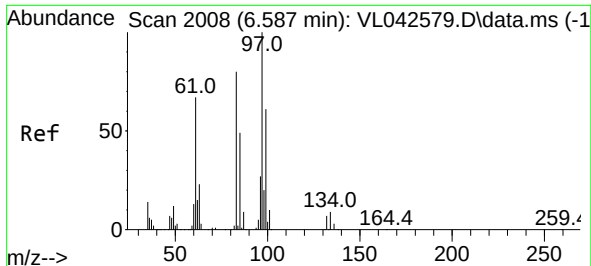
Tgt Ion: 75 Resp: 77241
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.2 36.2



#46
 cis-1,3-Dichloropropene
 Concen: 9.505 ppbv
 RT: 5.609 min Scan# 1706
 Delta R.T. -0.000 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56

Tgt Ion: 75 Resp: 156828
 Ion Ratio Lower Upper
 75 100
 39 68.0 52.7 79.1
 77 32.2 25.8 38.8

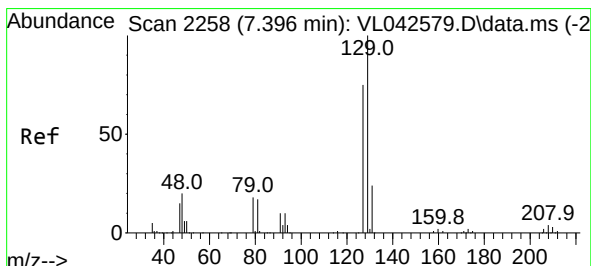
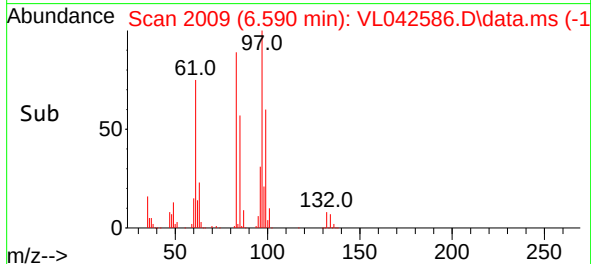
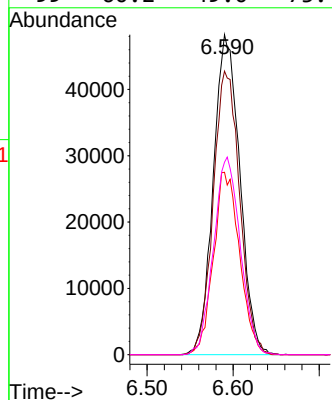
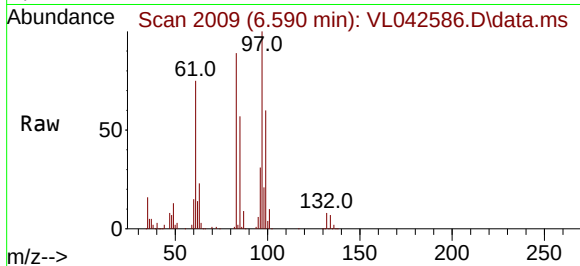




#47
 1,1,2-Trichloroethane
 Concen: 9.088 ppbv
 RT: 6.590 min Scan# 2009
 Delta R.T. 0.003 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56

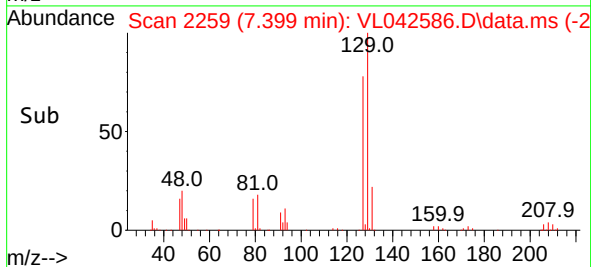
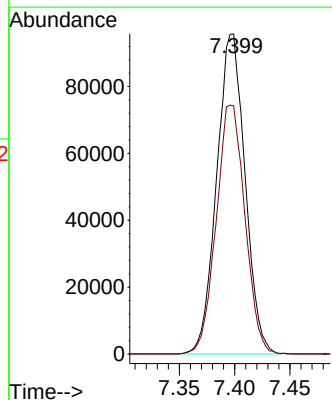
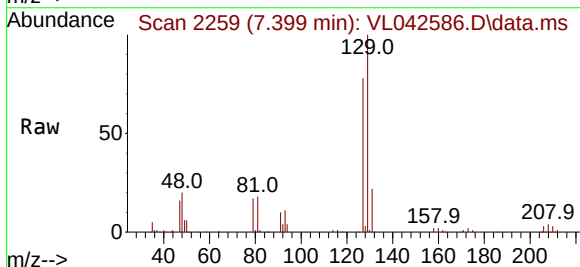
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL052925

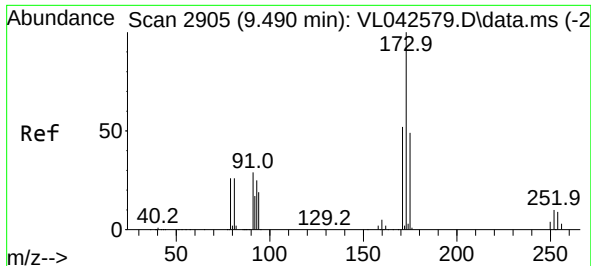
Tgt Ion: 97	Resp: 103138
Ion Ratio	Lower Upper
97 100	
83 88.6	63.9 95.9
85 57.0	39.2 58.8
99 60.2	49.0 73.4



#48
 Dibromochloromethane
 Concen: 9.391 ppbv
 RT: 7.399 min Scan# 2259
 Delta R.T. 0.003 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56

Tgt Ion:129	Resp: 170606		
Ion Ratio	Lower	Upper	
129 100			
127 78.8	39.0	116.9	

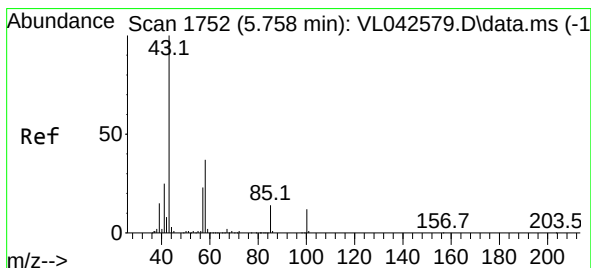
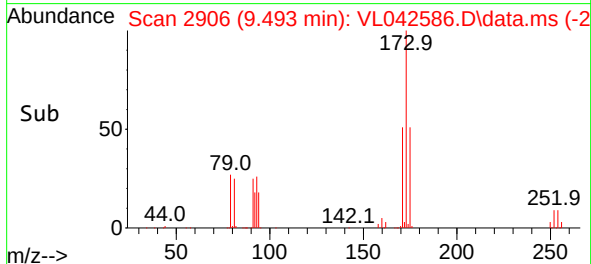
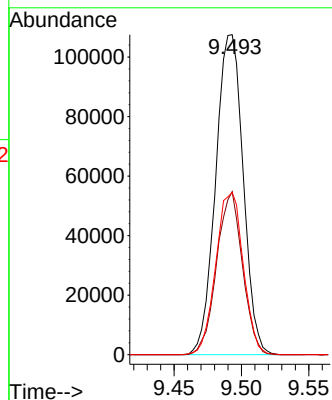
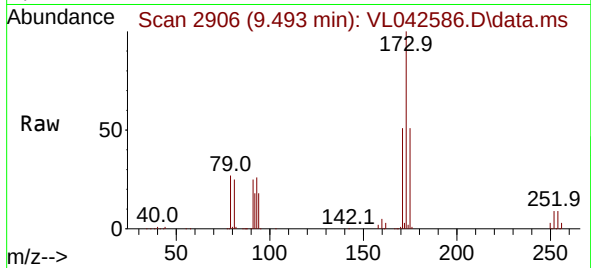




#49
Bromoform
Concen: 9.742 ppbv
RT: 9.493 min Scan# 2905
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

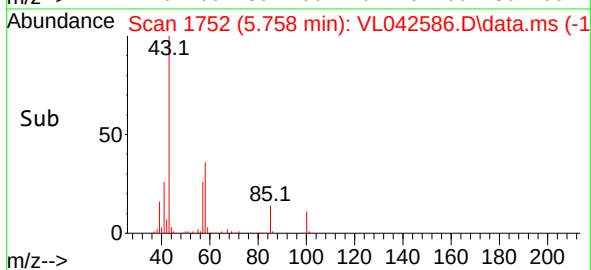
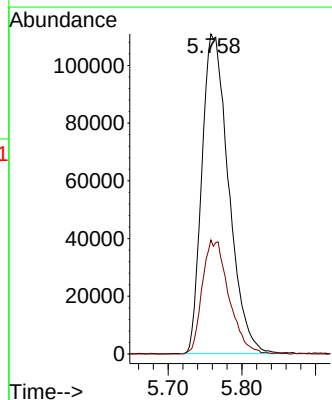
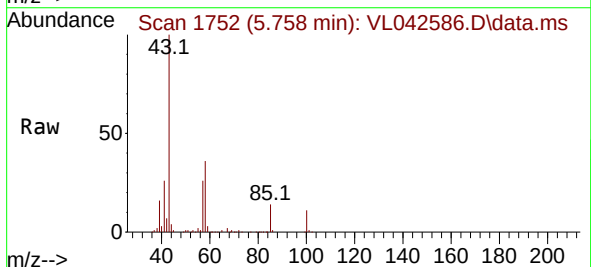
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

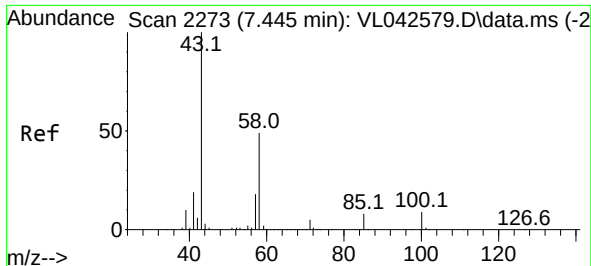
Tgt Ion:173 Resp: 152725
Ion Ratio Lower Upper
173 100
175 47.8 38.7 58.1
171 50.6 41.2 61.8



#50
4-Methyl-2-Pentanone
Concen: 9.369 ppbv
RT: 5.758 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 43 Resp: 278990
Ion Ratio Lower Upper
43 100
58 35.5 28.3 42.5

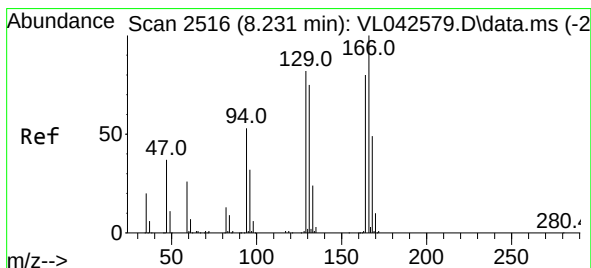
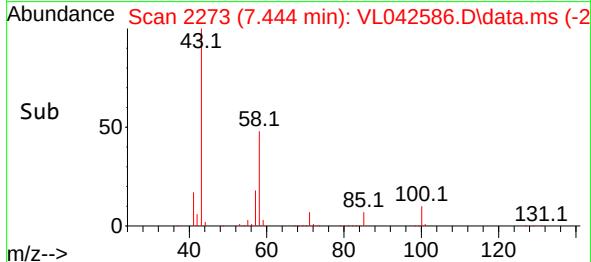
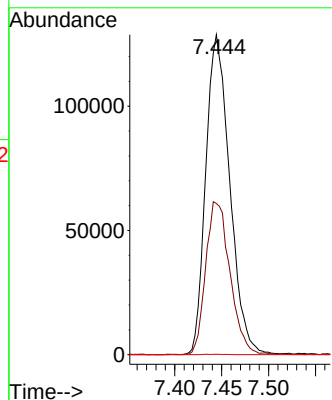
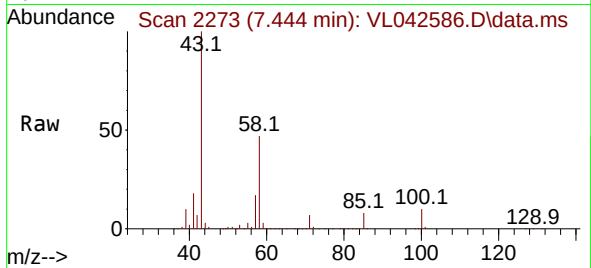




#51
2-Hexanone
Concen: 9.655 ppbv
RT: 7.444 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

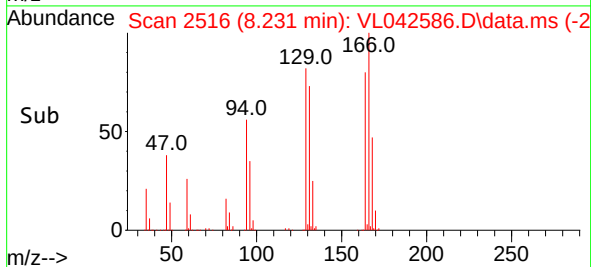
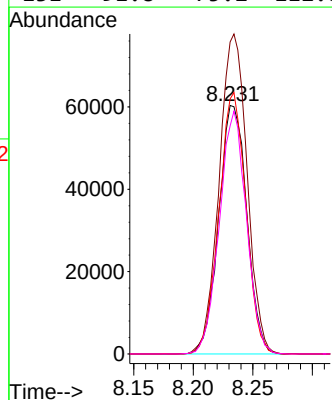
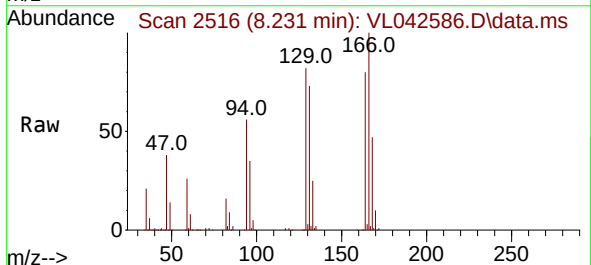
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

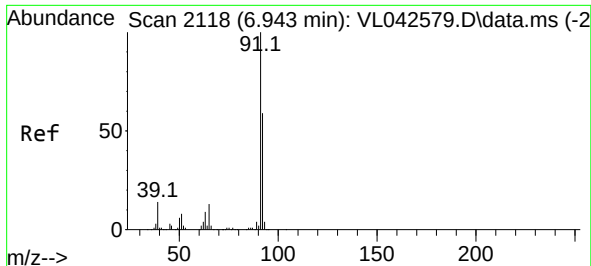
Tgt Ion: 43 Resp: 228036
Ion Ratio Lower Upper
43 100
58 48.6 39.9 59.9
98 0.1 0.1 0.1



#52
Tetrachloroethene
Concen: 8.925 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 164 Resp: 98872
Ion Ratio Lower Upper
164 100
166 125.4 100.0 150.0
129 102.6 82.2 123.4
131 91.8 75.2 112.8

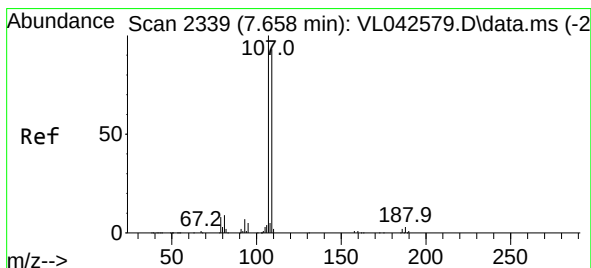
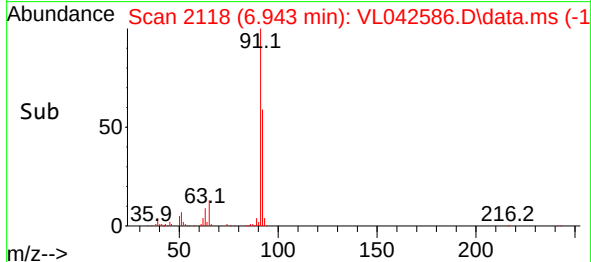
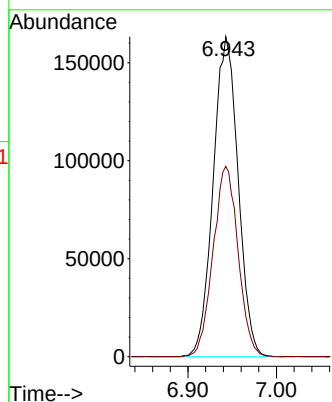
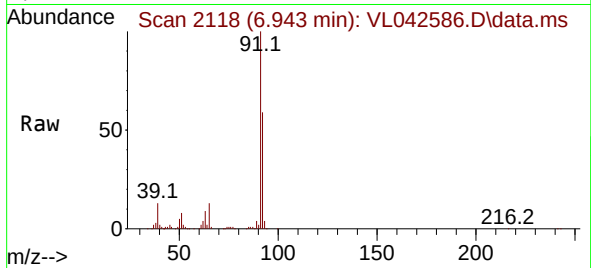




#53
Toluene
Concen: 9.329 ppbv
RT: 6.943 min Scan# 2118
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

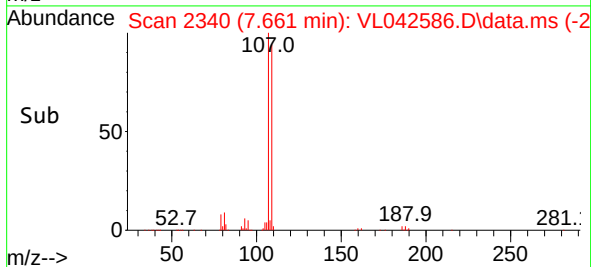
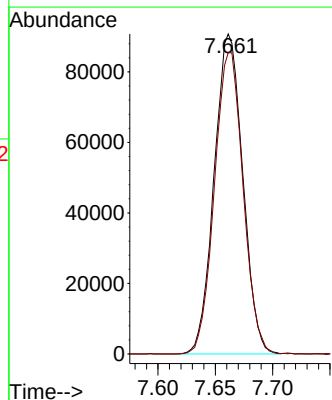
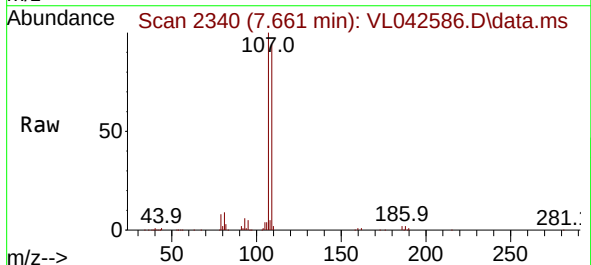
Instrument : MSVOA_1
ClientSampleId : ICVVL052925

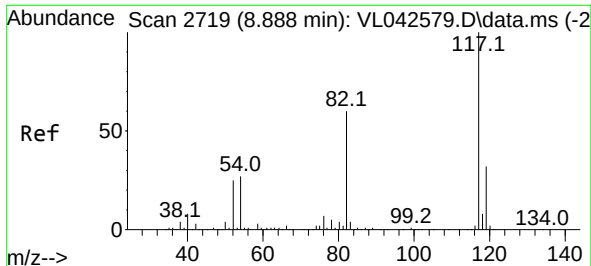
Tgt Ion: 91 Resp: 319640
Ion Ratio Lower Upper
91 100
92 59.6 48.2 72.4



#54
1,2-Dibromoethane
Concen: 9.364 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 107 Resp: 157298
Ion Ratio Lower Upper
107 100
109 94.1 74.3 111.5

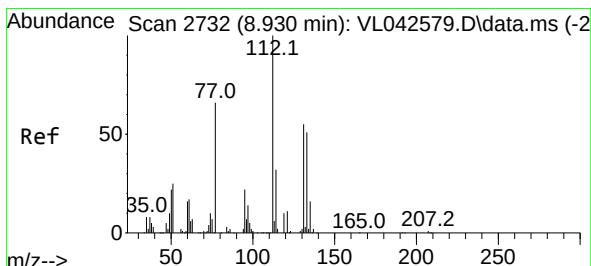
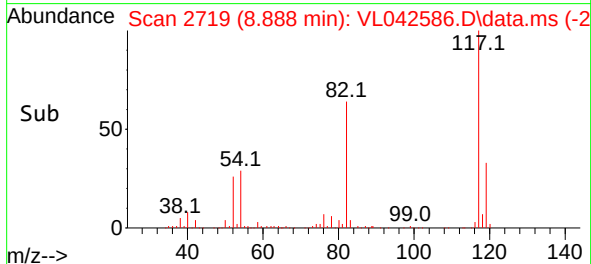
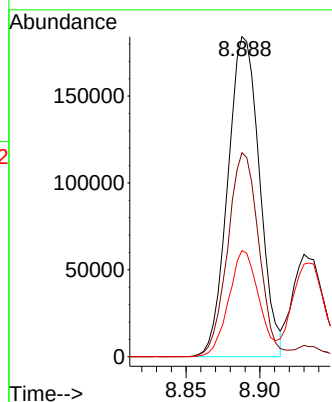
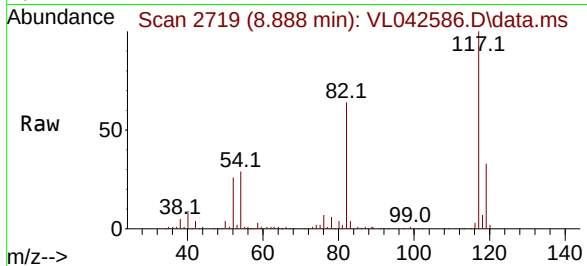




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

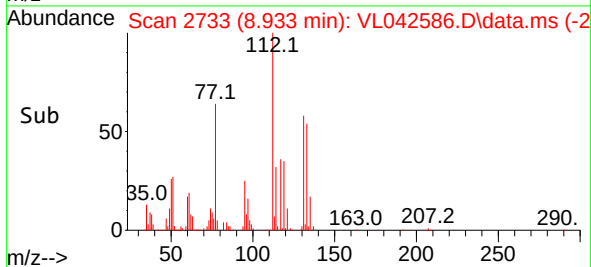
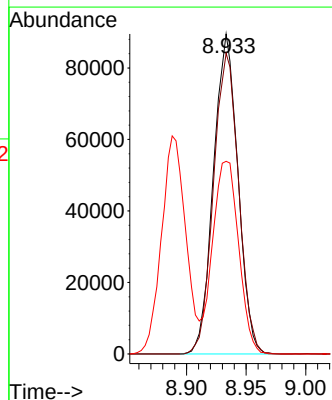
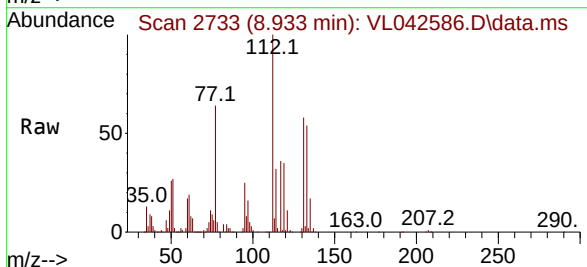
Instrument :
MSVOA_1
ClientSampleId :
ICVVL052925

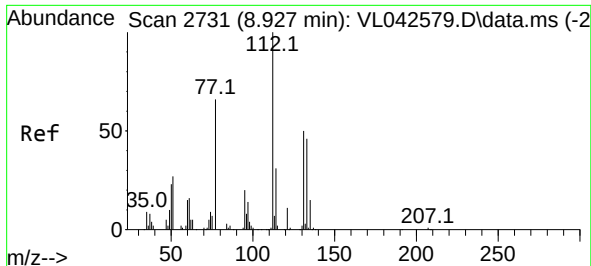
Tgt Ion:117 Resp: 275875
Ion Ratio Lower Upper
117 100
82 65.3 51.2 76.8
119 31.5 26.3 39.5



#56
1,1,1,2-Tetrachloroethane
Concen: 9.199 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:131 Resp: 127601
Ion Ratio Lower Upper
131 100
133 96.6 75.0 112.6
119 65.7 50.8 76.2

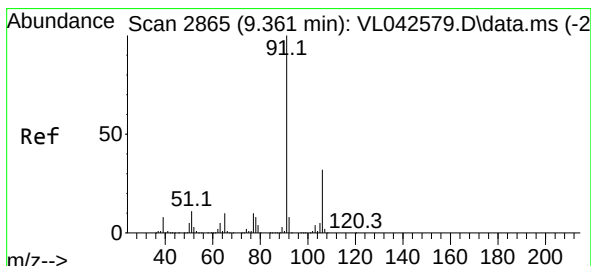
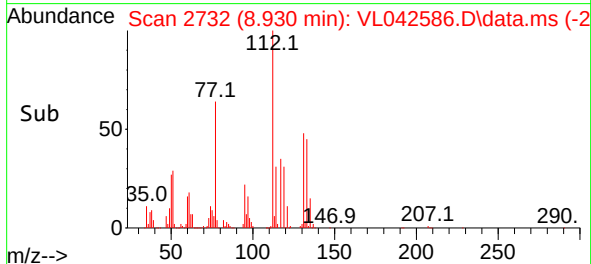
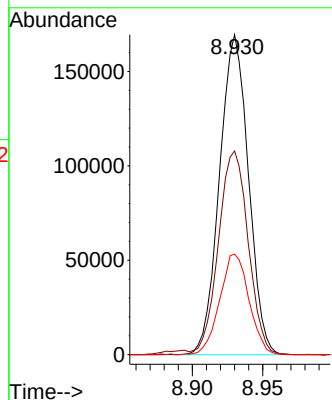
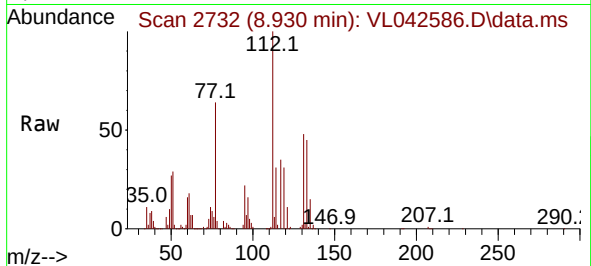




#57
Chlorobenzene
Concen: 9.054 ppbv
RT: 8.930 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

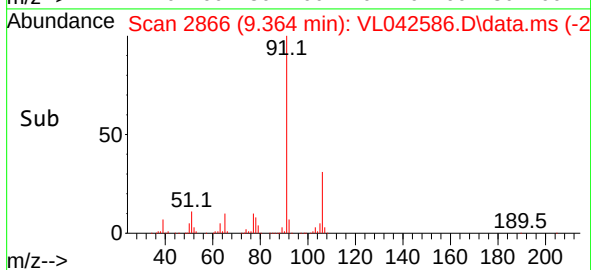
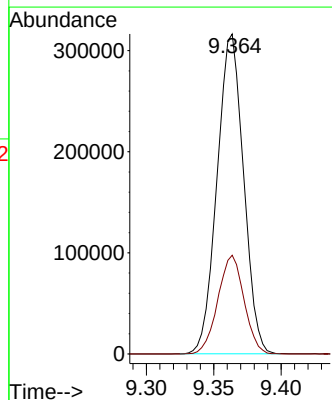
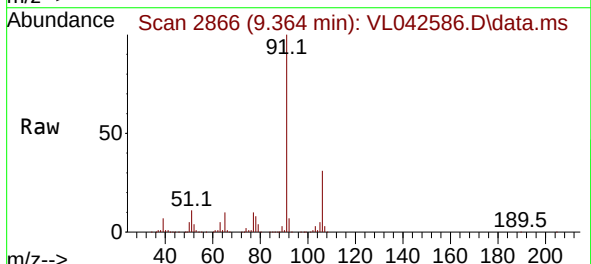
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

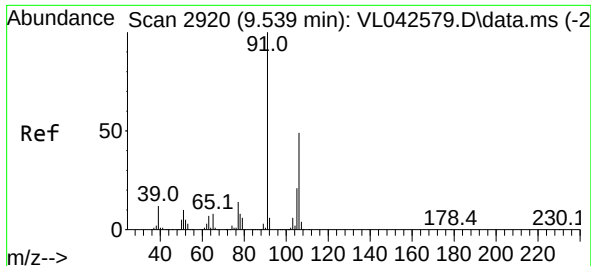
Tgt Ion:112 Resp: 242533
Ion Ratio Lower Upper
112 100
77 63.4 53.5 80.3
114 31.4 27.8 34.0



#58
Ethyl Benzene
Concen: 9.237 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 91 Resp: 432250
Ion Ratio Lower Upper
91 100
106 30.9 25.9 38.9





#59

m/p-Xylene

Concen: 9.281 ppbv

RT: 9.542 min Scan# 29

Delta R.T. 0.003 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

Instrument :

MSVOA_L

ClientSampleId :

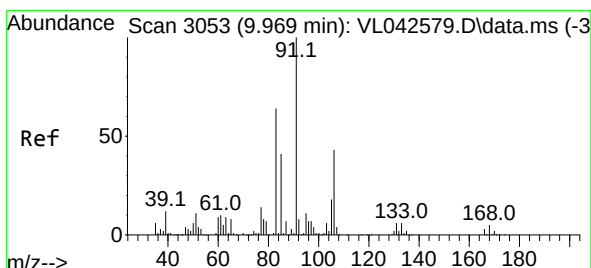
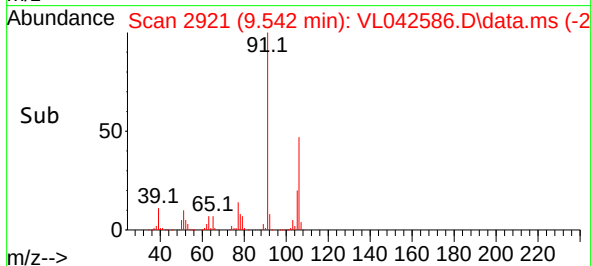
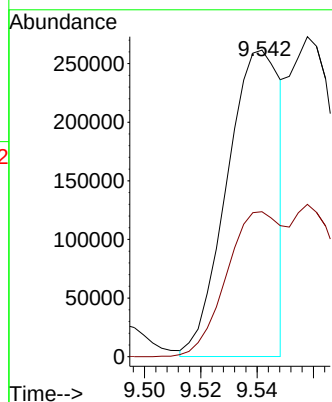
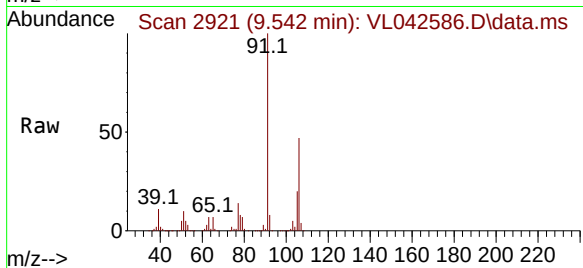
ICVVL052925

Tgt Ion: 91 Resp: 341761

Ion Ratio Lower Upper

91 100

106 0.0 38.8 58.2#



#60

o-Xylene

Concen: 9.069 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. 0.003 min

Lab File: VL042586.D

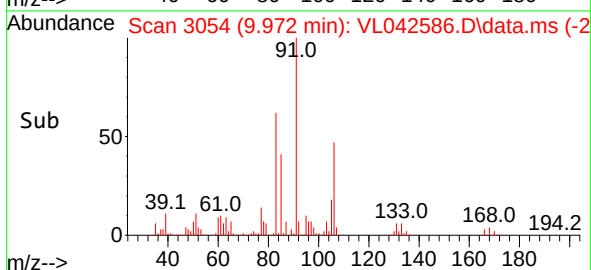
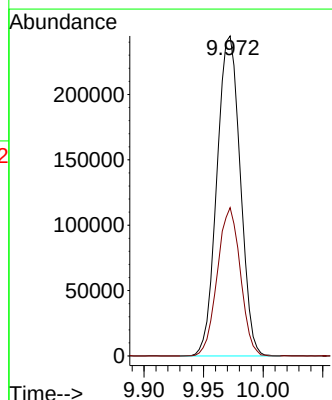
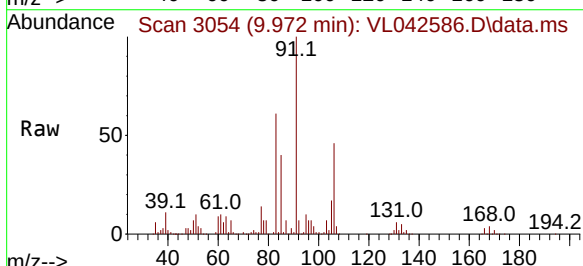
Acq: 29 May 2025 14:56

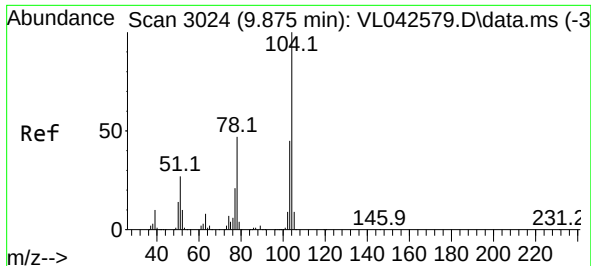
Tgt Ion: 91 Resp: 333107

Ion Ratio Lower Upper

91 100

106 45.7 22.9 68.5

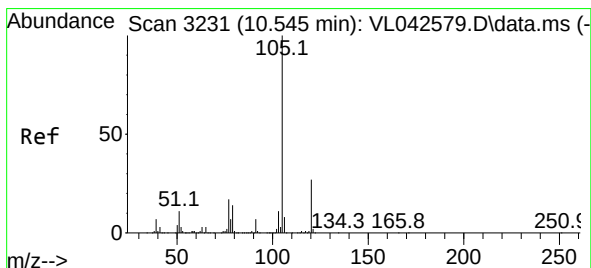
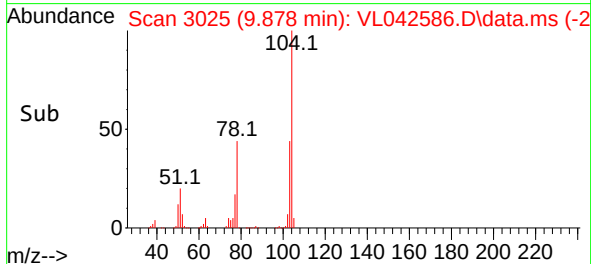
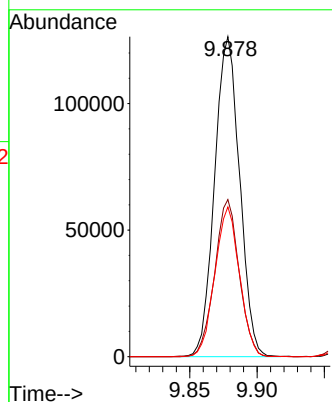
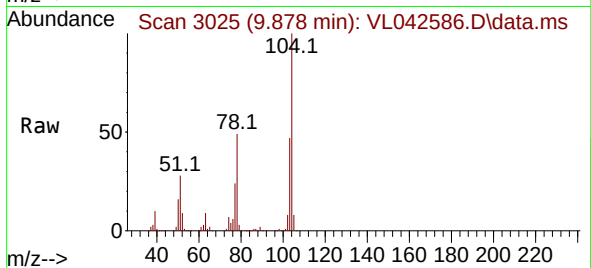




#61
Styrene
Concen: 9.396 ppbv
RT: 9.878 min Scan# 3024
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

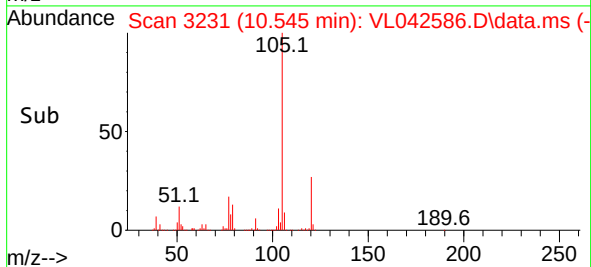
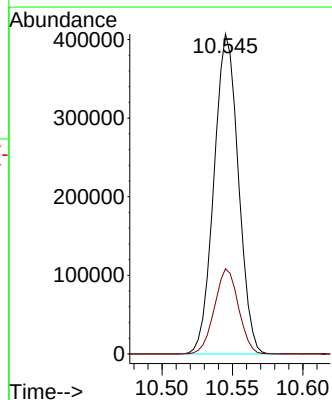
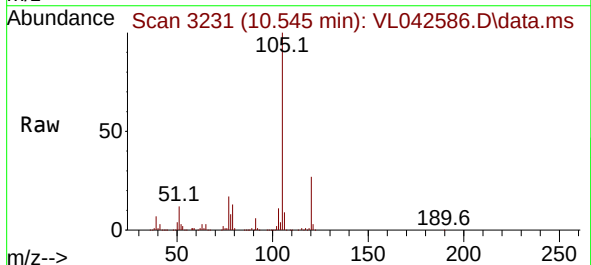
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

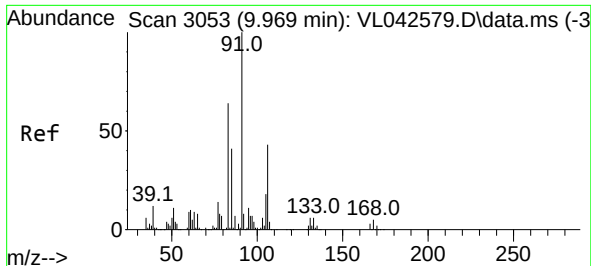
Tgt Ion:104 Resp: 163167
Ion Ratio Lower Upper
104 100
78 48.2 38.2 57.4
103 46.1 36.7 55.1



#62
Isopropylbenzene
Concen: 9.051 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:105 Resp: 491107
Ion Ratio Lower Upper
105 100
120 26.2 20.9 31.3

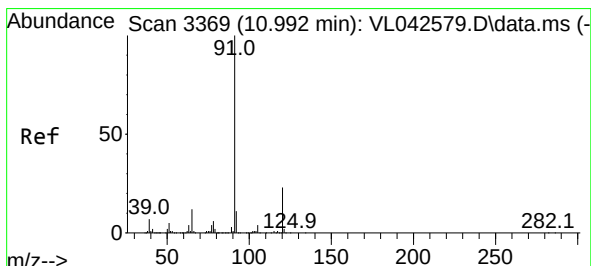
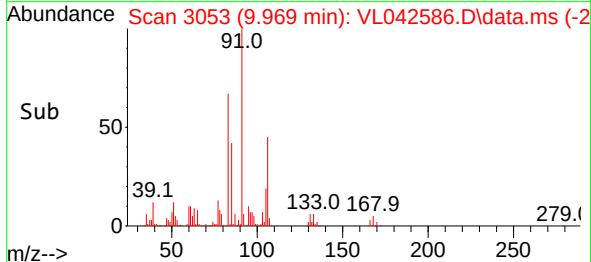
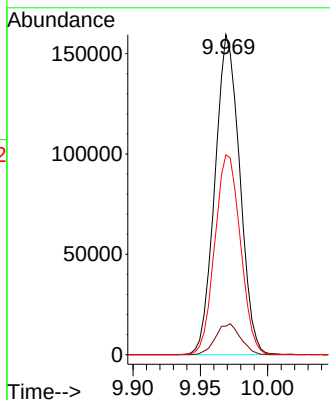
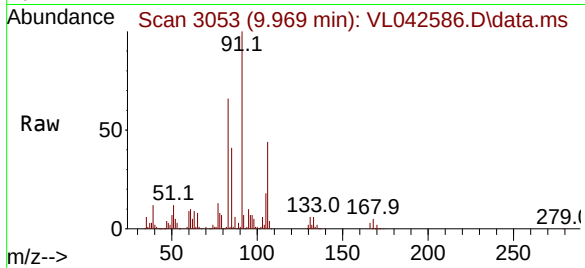




#63
1,1,2,2-Tetrachloroethane
Concen: 8.749 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

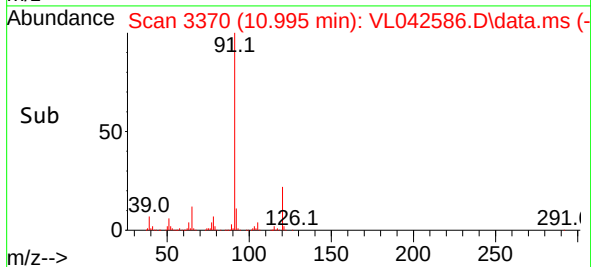
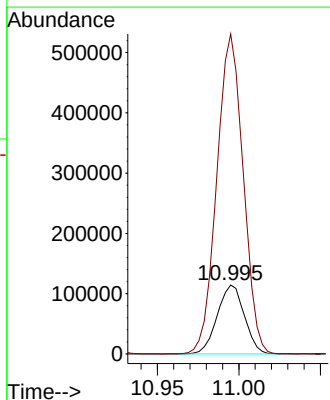
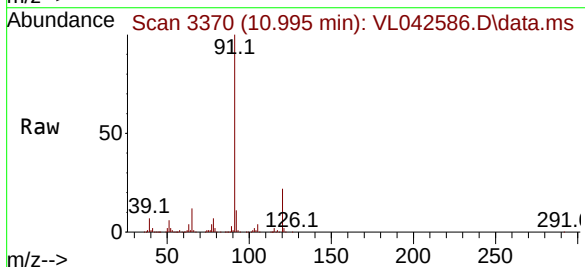
Instrument : MSVOA_1
ClientSampleId : ICVVL052925

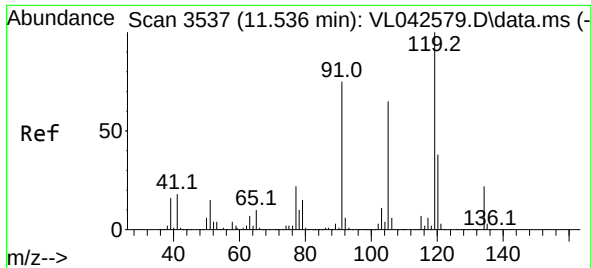
Tgt Ion: 83 Resp: 204322
Ion Ratio Lower Upper
83 100
131 9.7 4.8 14.4
85 64.5 32.5 97.4



#64
n-propylbenzene
Concen: 9.054 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 120 Resp: 131695
Ion Ratio Lower Upper
120 100
91 453.7 363.0 544.6

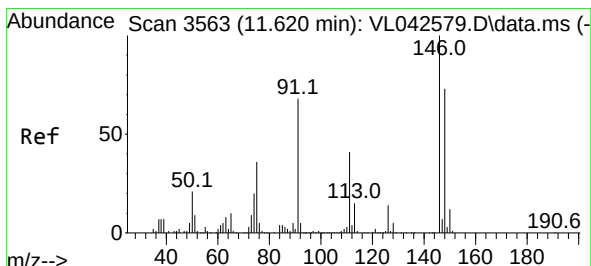
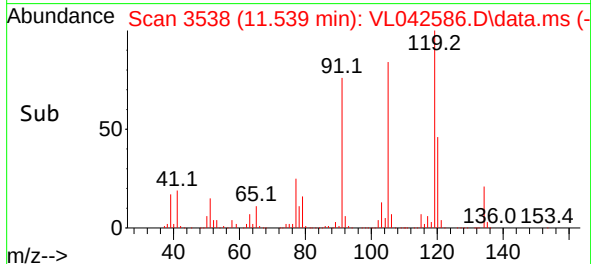
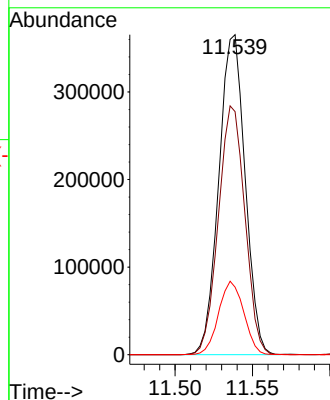
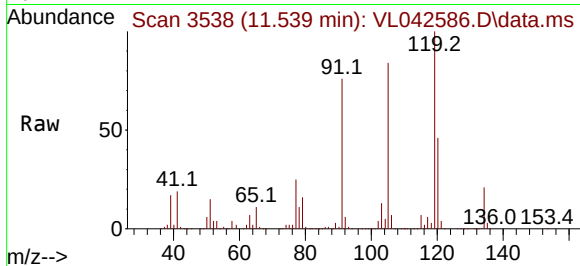




#65
tert-Butylbenzene
Concen: 8.758 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

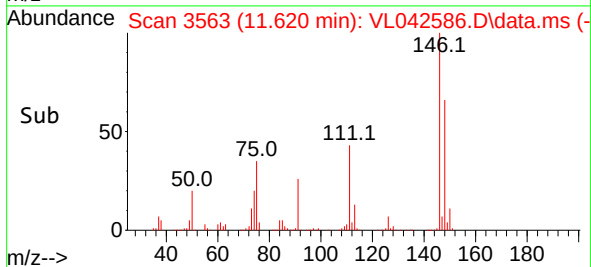
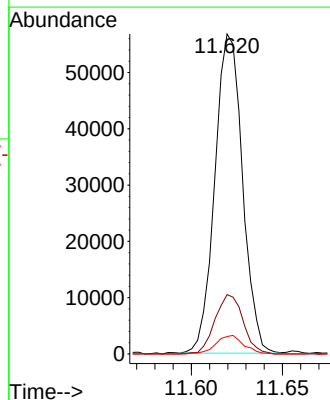
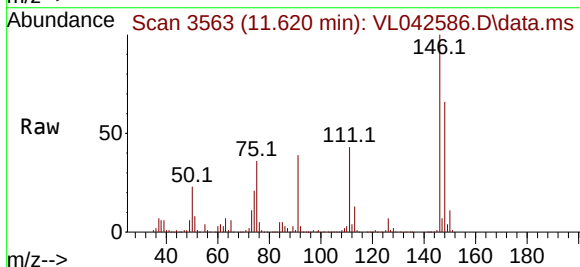
Instrument :
MSVOA_1
ClientSampleId :
ICVVL052925

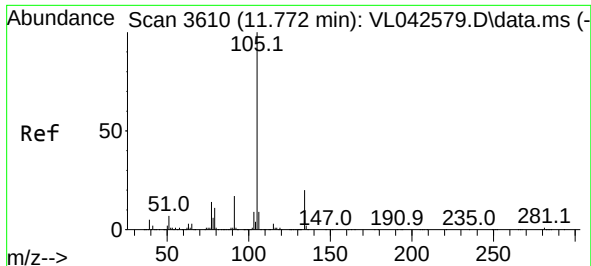
Tgt Ion:119 Resp: 431251
Ion Ratio Lower Upper
119 100
91 78.2 61.1 91.7
134 22.0 17.4 26.2



#66
Benzyl Chloride
Concen: 9.435 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 91 Resp: 59801
Ion Ratio Lower Upper
91 100
126 18.9 15.1 22.7
128 5.8 5.0 7.6

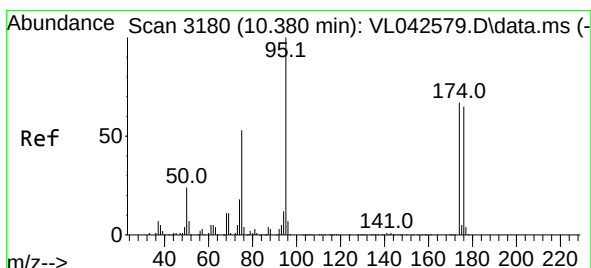
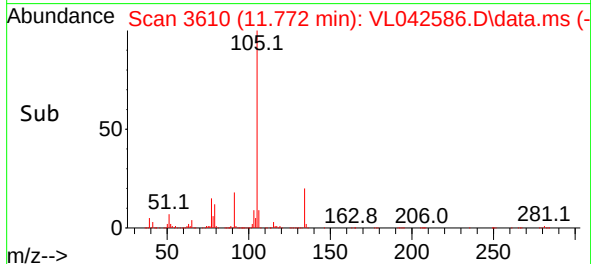
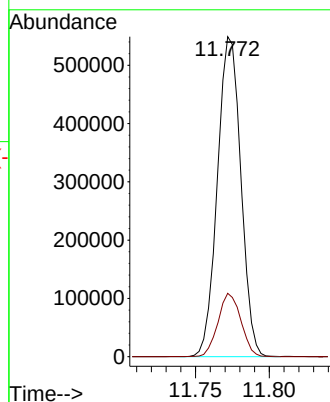
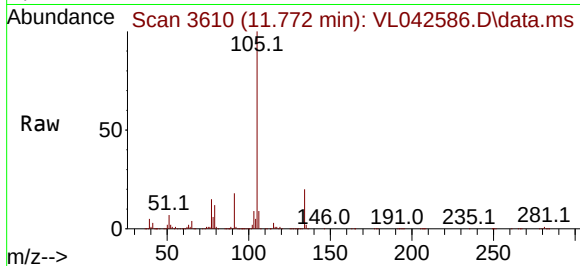




#67
 sec-Butylbenzene
 Concen: 8.781 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. -0.000 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56

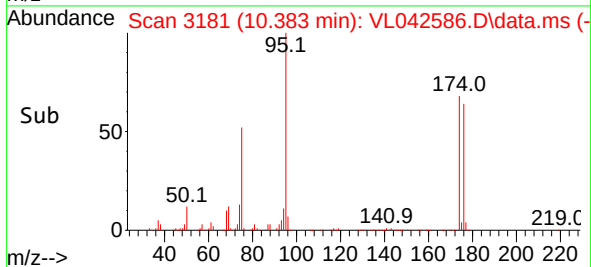
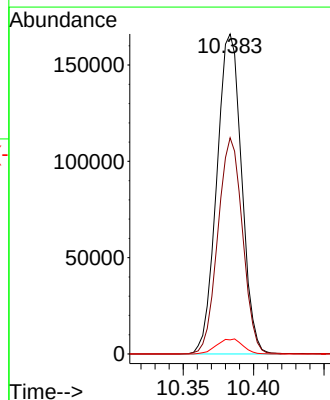
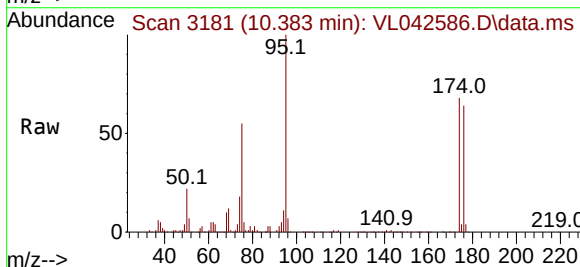
Instrument :
 MSVOA_1
 ClientSampleId :
 ICVVL052925

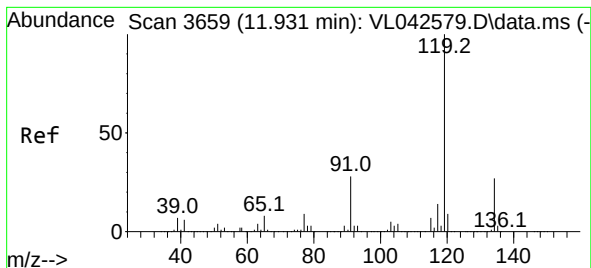
Tgt Ion:105 Resp: 607905
 Ion Ratio Lower Upper
 105 100
 134 19.4 15.8 23.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.852 ppbv
 RT: 10.383 min Scan# 3181
 Delta R.T. 0.003 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56

Tgt Ion: 95 Resp: 203743
 Ion Ratio Lower Upper
 95 100
 174 67.1 53.1 79.7
 175 4.9 4.2 6.2





#69

p-Isopropyltoluene

Concen: 8.844 ppbv

RT: 11.930 min Scan# 3659

Delta R.T. -0.000 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

Instrument :

MSVOA_1

ClientSampleId :

ICVVL052925

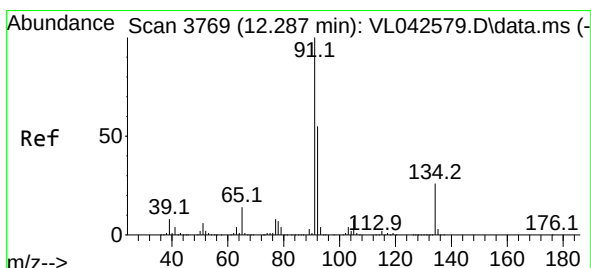
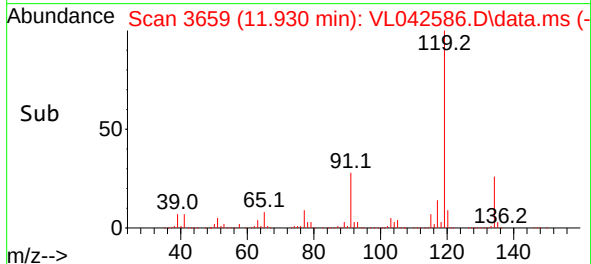
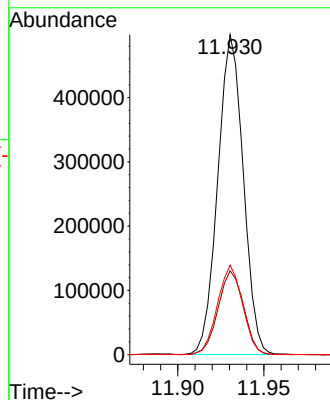
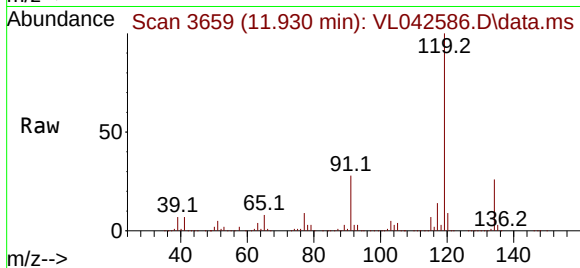
Tgt Ion:119 Resp: 512739

Ion Ratio Lower Upper

119 100

134 26.5 21.1 31.7

91 27.7 21.9 32.9



#70

n-Butylbenzene

Concen: 8.998 ppbv

RT: 12.286 min Scan# 3769

Delta R.T. -0.000 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

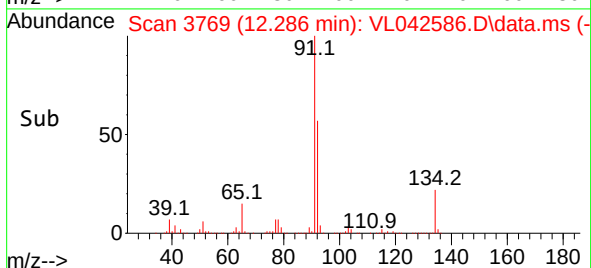
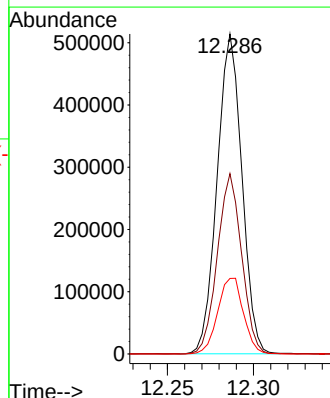
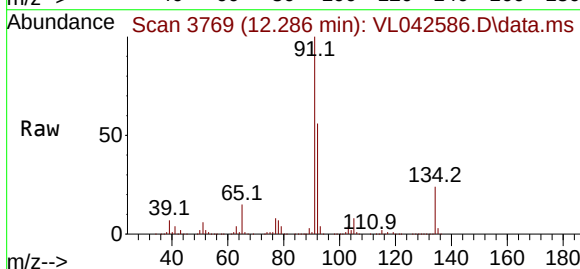
Tgt Ion: 91 Resp: 514931

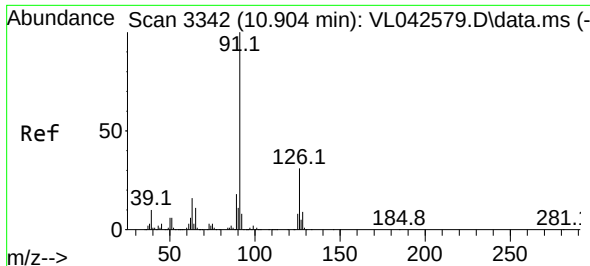
Ion Ratio Lower Upper

91 100

92 55.4 44.4 66.6

134 24.6 20.1 30.1

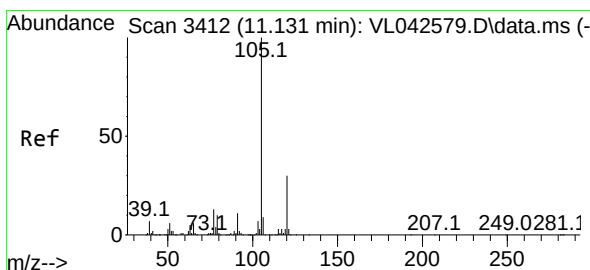
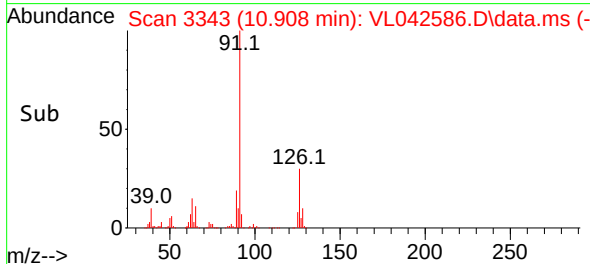
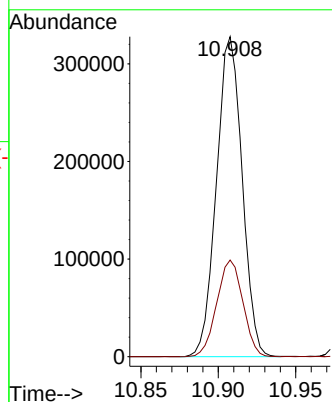
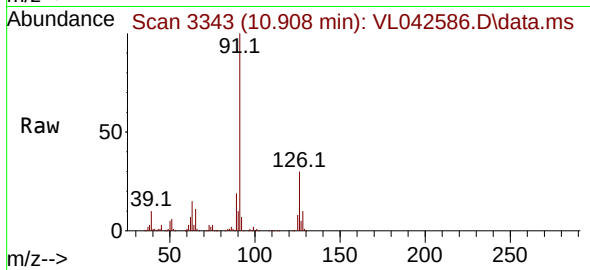




#71
2-Chlorotoluene
Concen: 9.119 ppbv
RT: 10.908 min Scan# 311
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

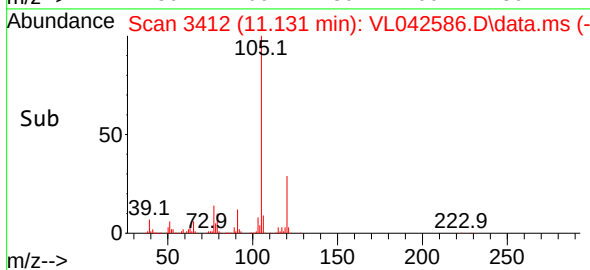
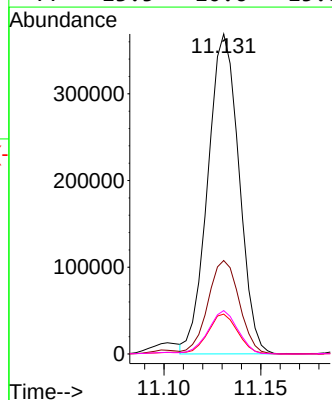
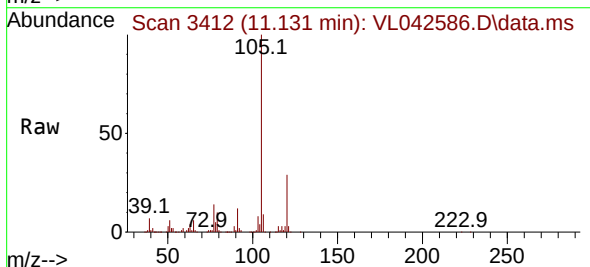
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

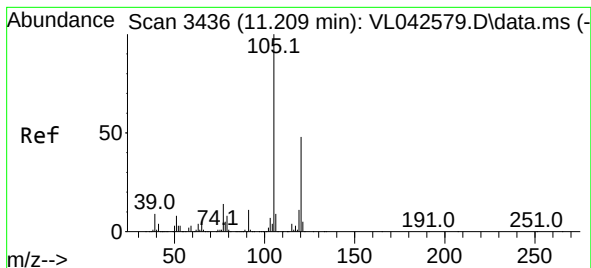
Tgt Ion: 91 Resp: 377413
Ion Ratio Lower Upper
91 100
126 30.7 12.6 50.4



#72
4-Ethyltoluene
Concen: 9.012 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 105 Resp: 412686
Ion Ratio Lower Upper
105 100
120 30.4 24.6 36.8
91 12.4 9.6 14.4
77 13.5 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 9.131 ppbv

RT: 11.209 min Scan# 3436

Delta R.T. -0.000 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

Instrument :

MSVOA_L

ClientSampleId :

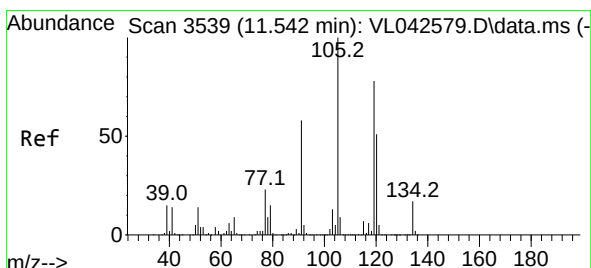
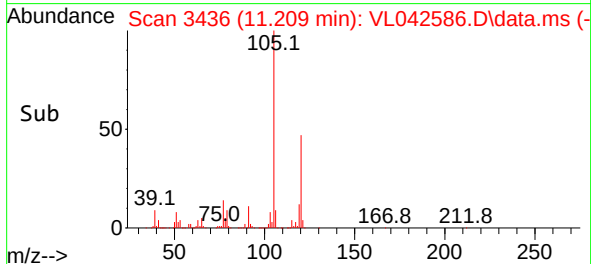
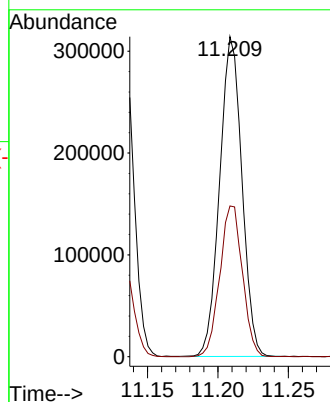
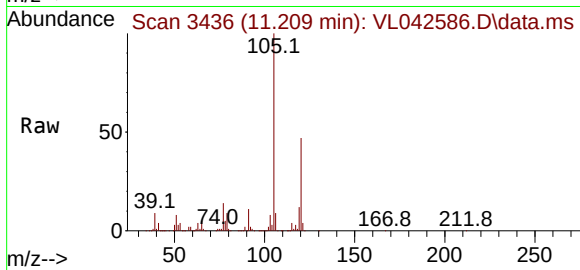
ICVVL052925

Tgt Ion:105 Resp: 346043

Ion Ratio Lower Upper

105 100

120 47.1 38.8 58.2



#74

1,2,4-Trimethylbenzene

Concen: 8.842 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. -0.000 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

Tgt Ion:105 Resp: 371879

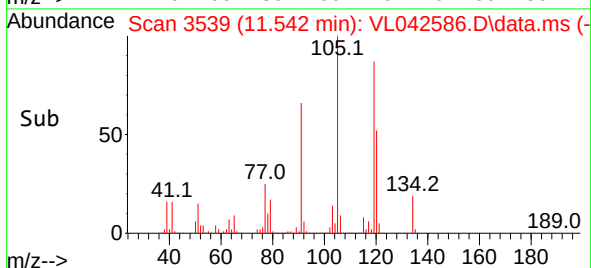
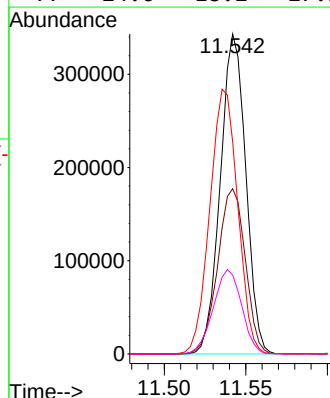
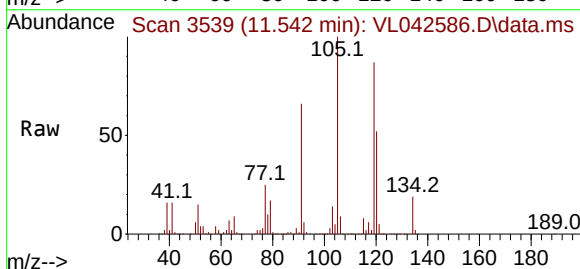
Ion Ratio Lower Upper

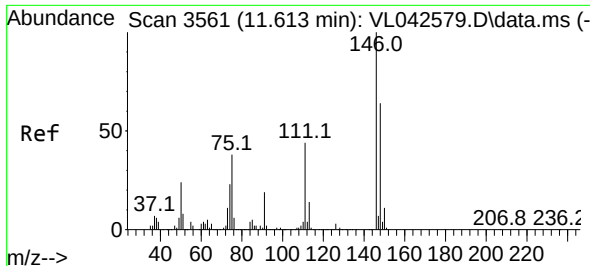
105 100

120 51.6 40.8 61.2

91 66.2 46.8 70.2

77 24.6 18.2 27.2

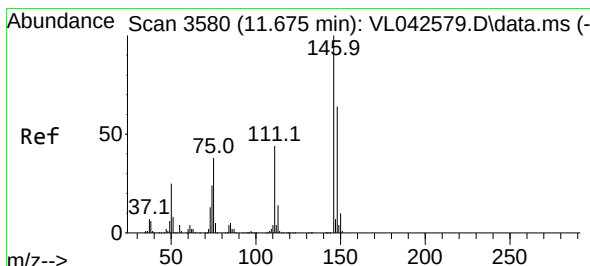
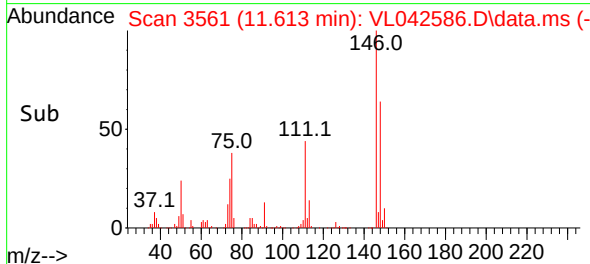
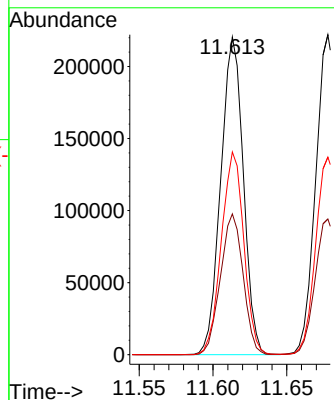
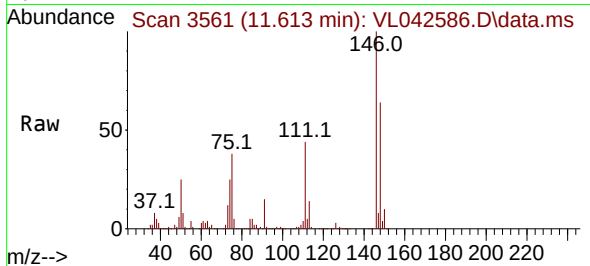




#75
1,3-Dichlorobenzene
Concen: 8.886 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

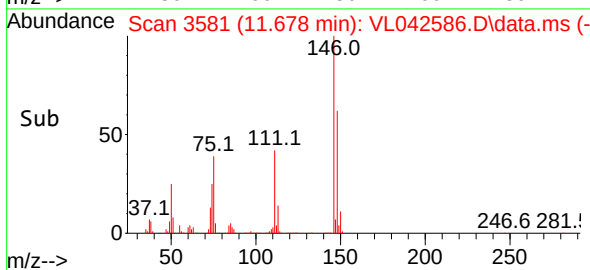
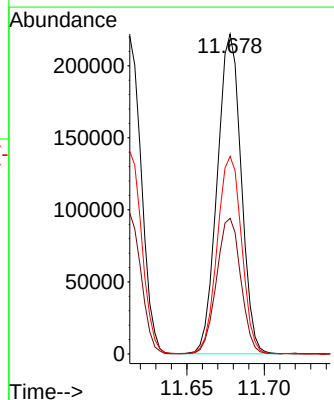
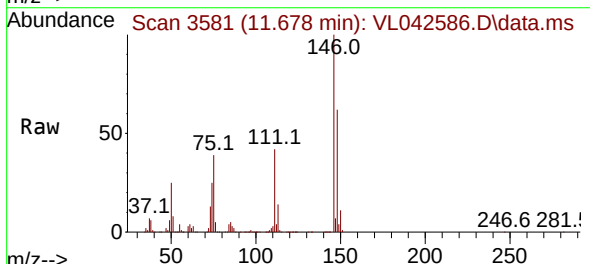
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

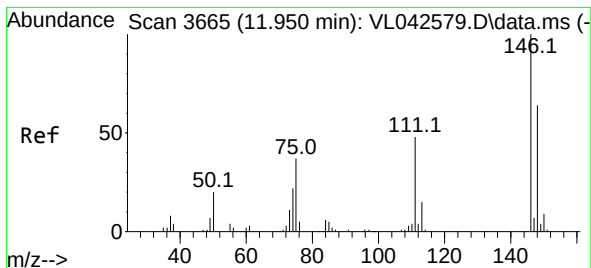
Tgt Ion:146 Resp: 234703
Ion Ratio Lower Upper
146 100
111 44.5 22.4 67.3
148 63.8 32.0 96.2



#76
1,4-Dichlorobenzene
Concen: 9.034 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:146 Resp: 237978
Ion Ratio Lower Upper
146 100
111 43.2 21.6 64.8
148 63.3 32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 8.754 ppbv

RT: 11.953 min Scan# 3666

Delta R.T. 0.003 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL052925

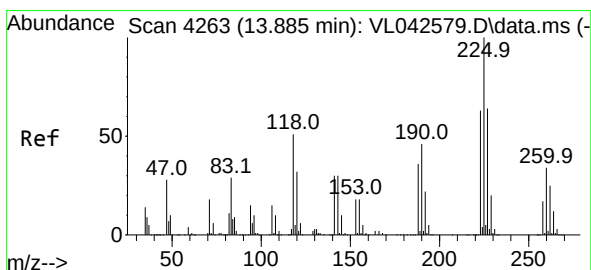
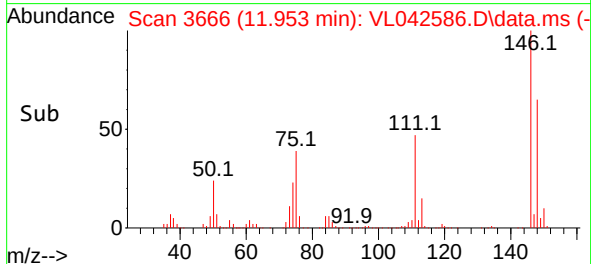
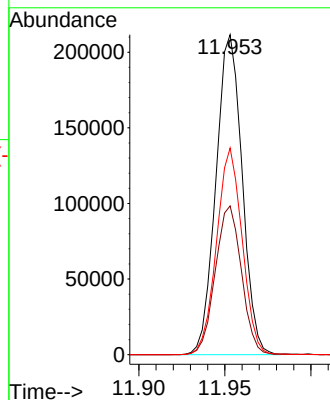
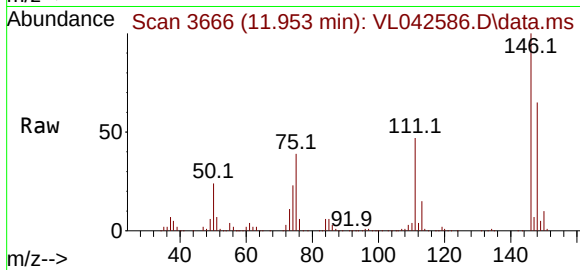
Tgt Ion:146 Resp: 224400

Ion Ratio Lower Upper

146 100

111 46.6 23.1 69.3

148 63.1 32.1 96.3



#78

Hexachloro-1,3-Butadiene

Concen: 7.977 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. -0.000 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

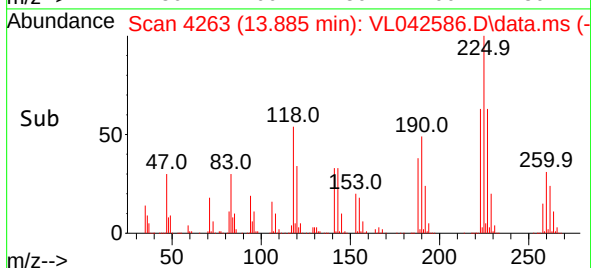
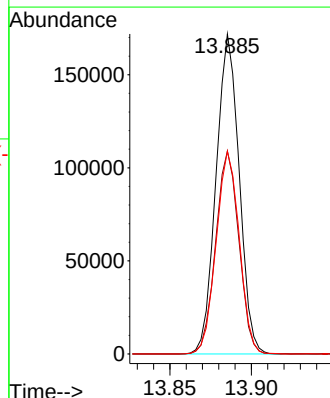
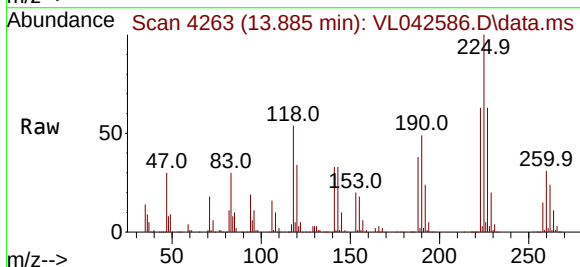
Tgt Ion:225 Resp: 169185

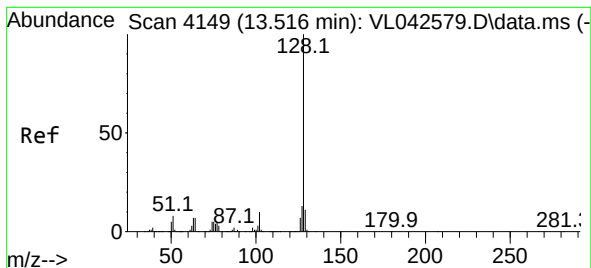
Ion Ratio Lower Upper

225 100

223 63.6 50.2 75.4

227 63.5 51.1 76.7





#79

Naphthalene

Concen: 9.666 ppbv

RT: 13.516 min Scan# 4149

Delta R.T. -0.000 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL052925

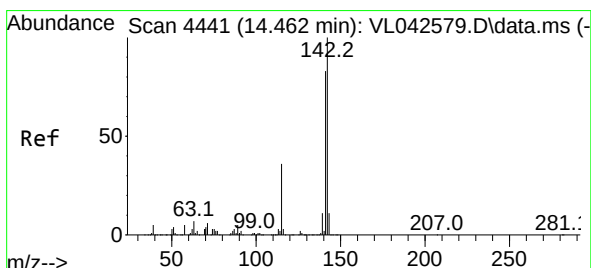
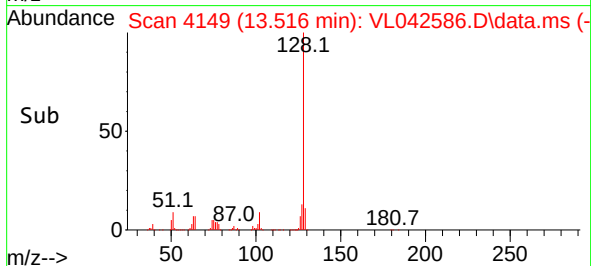
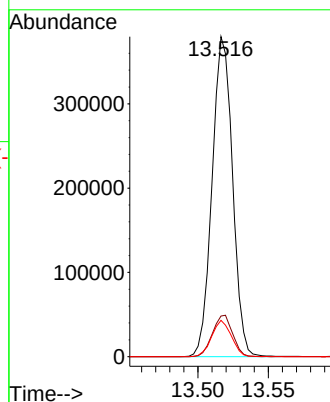
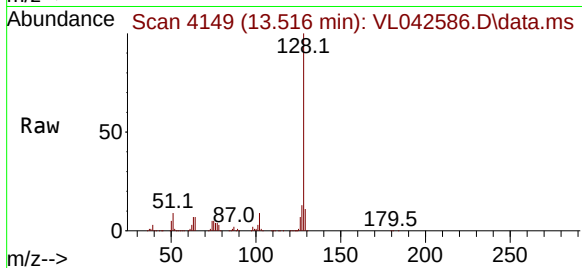
Tgt Ion:128 Resp: 383192

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

129 11.3 8.8 13.2



#80

Naphthalene,2-methyl-

Concen: 10.853 ppbv

RT: 14.461 min Scan# 4441

Delta R.T. -0.000 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

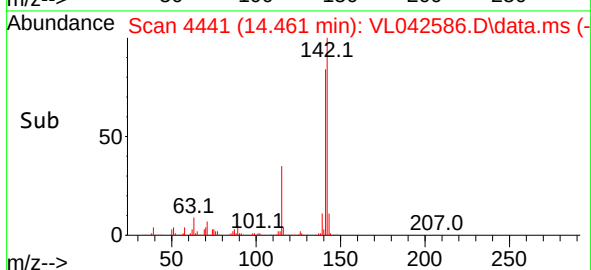
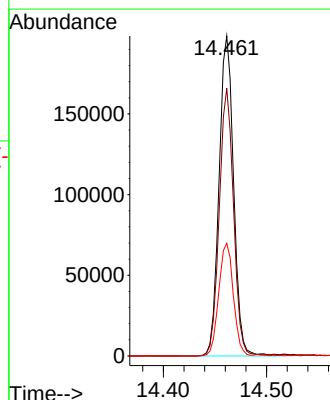
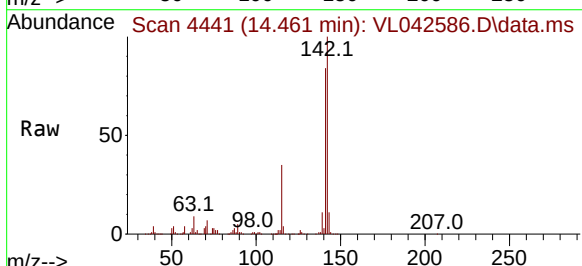
Tgt Ion:142 Resp: 194375

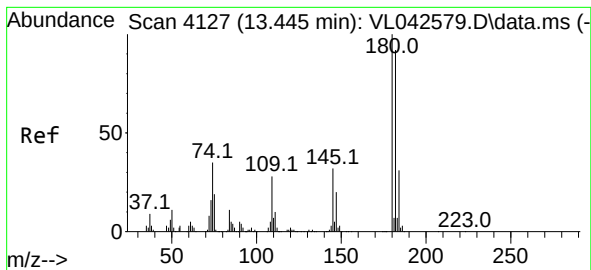
Ion Ratio Lower Upper

142 100

141 83.1 66.2 99.4

115 36.0 28.3 42.5





#81
 1,2,4-Trichlorobenzene
 Concen: 8.978 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL052925

Tgt Ion:180 Resp: 198696
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.0 112.4
 184 30.4 24.6 36.8

