

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052125\
 Data File : VL042569.D
 Acq On : 21 May 2025 16:53
 Operator : SY/MD
 Sample : MDL 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.40

Quant Time: May 21 23:07:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed May 21 00:21:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	102406	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	313519	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	264717	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	225408	10.639	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	9583	0.500	ppbv	91
3) Chlorodifluoromethane	1.479	51	6988	0.443	ppbv	96
4) Chloromethane	1.538	50	3116	0.505	ppbv #	78
5) Vinyl Chloride	1.583	62	3259	0.479	ppbv	100
6) Bromomethane	1.670	94	1884	0.481	ppbv	89
7) Chloroethane	1.709	64	1272	0.465	ppbv #	79
8) Dichlorotetrafluoroethane	1.557	85	7677	0.473	ppbv	98
9) Propene	1.489	41	1701	0.310	ppbv	98
10) Heptane	5.004	43	597	0.041	ppbv #	24
11) Trichlorofluoromethane	1.884	101	9336	0.467	ppbv	93
12) 1,1,2-Trichlorotrifluo...	2.146	101	7618	0.473	ppbv	97
13) Ethanol	1.890	45	3762	4.733	ppbv #	52
14) Bromoethene	1.787	108	2655	0.436	ppbv #	92
15) Acetone	1.842	43	7747	0.543	ppbv	100
16) 1,3-Butadiene	1.612	39	2884	0.498	ppbv	85
17) tert-Butyl alcohol	2.049	59	6988	0.424	ppbv #	93
18) 1,1-Dichloroethene	2.347	96	3626	0.498	ppbv	90
19) Isopropyl Alcohol	1.890	45	3762	0.464	ppbv #	41
20) Methylene Chloride	2.068	84	4216	0.610	ppbv	92
21) Allyl Chloride	2.104	41	3995	0.437	ppbv	94
22) trans-1,2-Dichloroethene	2.347	96	3626	0.449	ppbv	90
23) Vinyl Acetate	2.470	43	6073	0.374	ppbv #	96
24) 1,1-Dichloroethane	2.415	63	6608	0.477	ppbv	97
25) Ethyl Acetate	2.849	43	8677	0.315	ppbv	98
26) Hexane	2.832	57	2899	0.232	ppbv #	52
27) Carbon Disulfide	2.156	76	8044	0.445	ppbv #	12
28) Methyl tert-Butyl Ether	2.450	73	3685	0.438	ppbv	99
29) Chloroform	2.858	83	10557	0.448	ppbv	100
30) Cyclohexane	3.871	84	1380	0.128	ppbv #	1
31) cis-1,2-Dichloroethene	2.729	61	3951	0.288	ppbv	95
32) 1,1,1-Trichloroethane	3.376	97	9510	0.395	ppbv	94
34) 2-Butanone	2.570	43	5958	0.358	ppbv	97
35) Carbon Tetrachloride	3.774	117	10916	0.455	ppbv	97
36) Benzene	3.667	78	8135	0.321	ppbv	95
37) 1,2-Dichloroethane	3.227	62	6723	0.434	ppbv	98
38) Trichloroethene	4.567	130	1713	0.148	ppbv	91
39) 1,2-Dichloropropane	4.324	63	3769	0.423	ppbv	92
40) 1,4-Dioxane	4.612	88	303	0.076	ppbv #	26
41) Tetrahydrofuran	3.072	42	1790	0.221	ppbv	95
42) Bromodichloromethane	4.506	83	9794	0.448	ppbv	96
43) Methyl Methacrylate	4.894	69	992	0.115	ppbv #	1
44) 2,2,4-Trimethylpentane	4.651	57	7102	0.183	ppbv #	40
45) t-1,3-Dichloropropene	6.425	75	1087	0.099	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052125\
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 Operator : SY/MD
 Sample : MDL 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

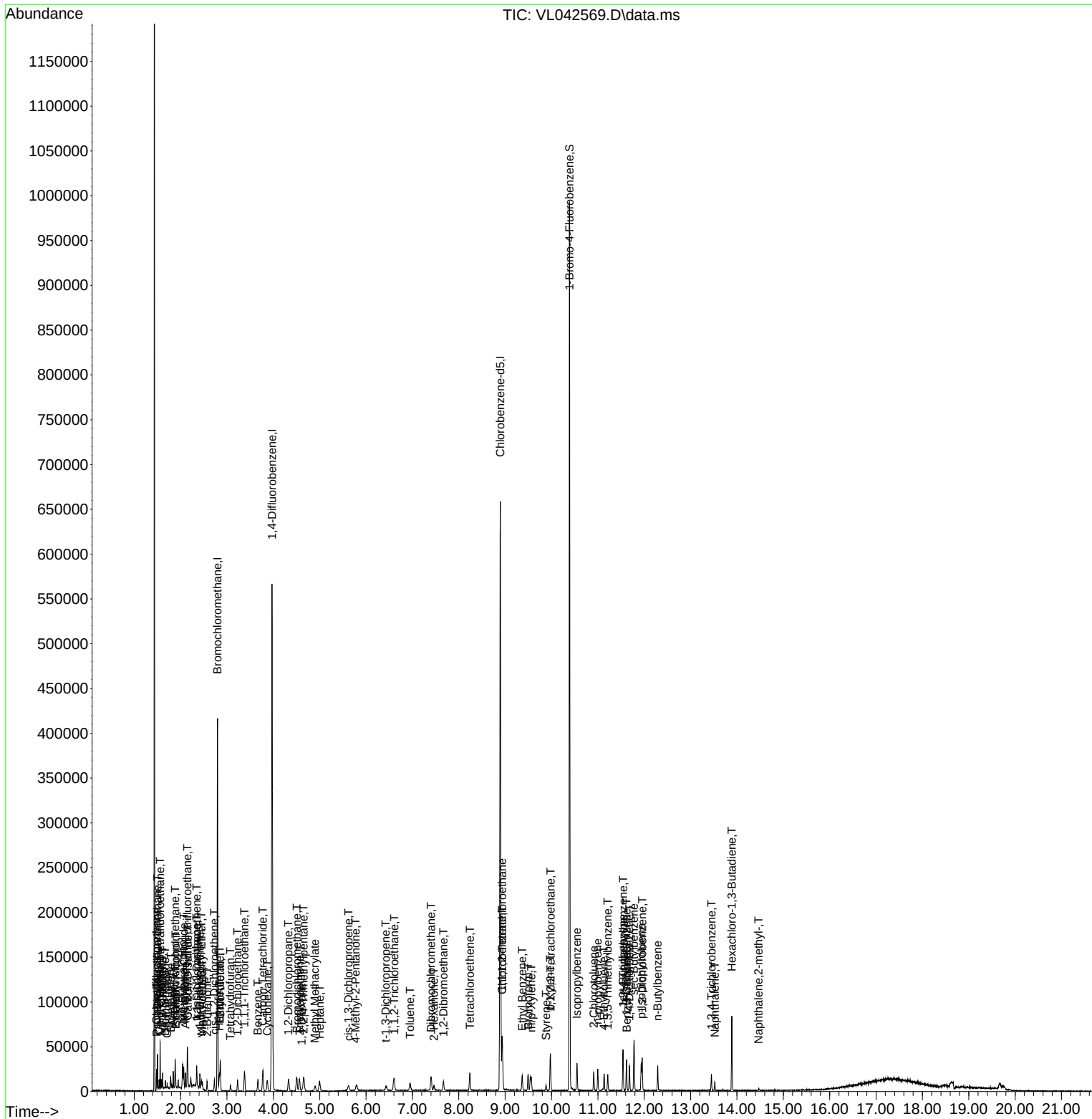
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.40

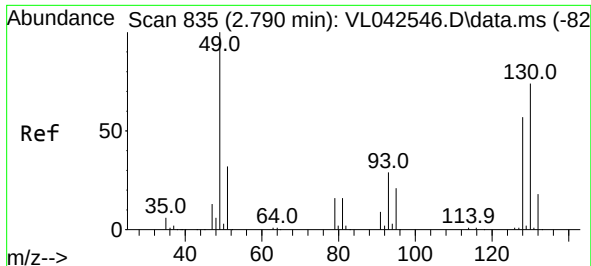
Quant Time: May 21 23:07:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed May 21 00:21:29 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.622	75	2343	0.175	ppbv #	92
47) 1,1,2-Trichloroethane	6.606	97	1891	0.177	ppbv #	74
48) Dibromochloromethane	7.399	129	7711	0.418	ppbv	98
49) Bromoform	9.497	173	6232	0.395	ppbv	98
50) 4-Methyl-2-Pentanone	5.774	43	1019	0.051	ppbv #	37
51) 2-Hexanone	7.464	43	2485	0.169	ppbv #	92
52) Tetrachloroethene	8.241	164	3527	0.356	ppbv #	69
53) Toluene	6.949	91	6199	0.229	ppbv	100
54) 1,2-Dibromoethane	7.668	107	5552	0.357	ppbv	85
56) 1,1,1,2-Tetrachloroethane	8.937	131	7040	0.499	ppbv #	1
57) Chlorobenzene	8.933	112	10326	0.438	ppbv	95
58) Ethyl Benzene	9.367	91	8257	0.238	ppbv	99
59) m/p-Xylene	9.561	91	7552	0.255	ppbv #	58
60) o-Xylene	9.972	91	6349	0.217	ppbv	99
61) Styrene	9.882	104	2231	0.199	ppbv	93
62) Isopropylbenzene	10.548	105	12194	0.272	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.979	83	3750	0.191	ppbv #	1
64) n-propylbenzene	10.998	120	2513	0.225	ppbv	96
65) tert-Butylbenzene	11.542	119	8340	0.207	ppbv	93
66) Benzyl Chloride	11.626	91	1695	0.336	ppbv #	92
67) sec-Butylbenzene	11.778	105	13347	0.234	ppbv	97
69) p-Isopropyltoluene	11.937	119	9748	0.207	ppbv	95
70) n-Butylbenzene	12.290	91	8943	0.201	ppbv #	93
71) 2-Chlorotoluene	10.911	91	7938	0.246	ppbv	96
72) 4-Ethyltoluene	11.131	105	7449	0.206	ppbv #	93
73) 1,3,5-Trimethylbenzene	11.212	105	6689	0.214	ppbv	87
74) 1,2,4-Trimethylbenzene	11.545	105	7466	0.198	ppbv	93
75) 1,3-Dichlorobenzene	11.617	146	8111	0.348	ppbv	98
76) 1,4-Dichlorobenzene	11.681	146	6760	0.299	ppbv	95
77) 1,2-Dichlorobenzene	11.956	146	8280	0.361	ppbv	95
78) Hexachloro-1,3-Butadiene	13.889	225	8556	0.451	ppbv	99
79) Naphthalene	13.520	128	4551	0.161	ppbv	96
80) Naphthalene,2-methyl-	14.468	142	1060	0.073	ppbv	93
81) 1,2,4-Trichlorobenzene	13.448	180	2895	0.170	ppbv	96

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

Quant Time: May 21 23:07:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed May 21 00:21:29 2025
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.797 min Scan# 81

Delta R.T. 0.007 min

Lab File: VL042569.D

Acq: 21 May 2025 16:53

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.40

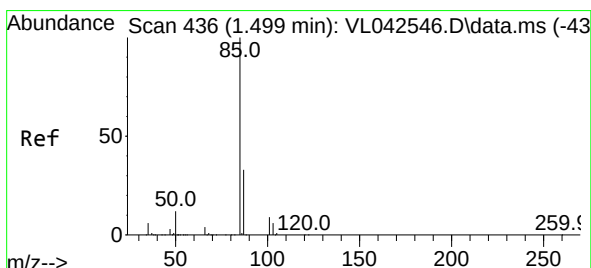
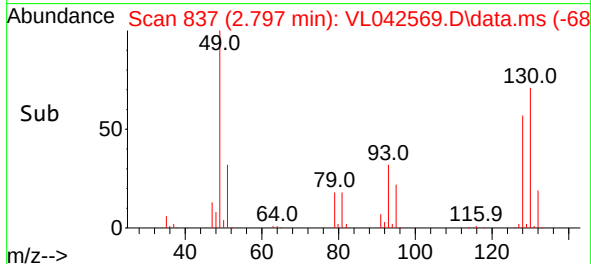
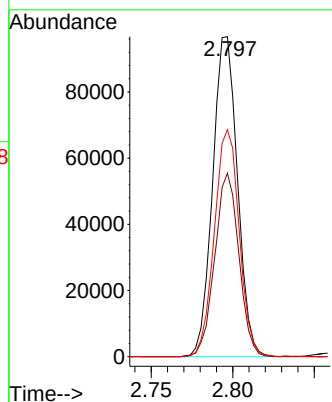
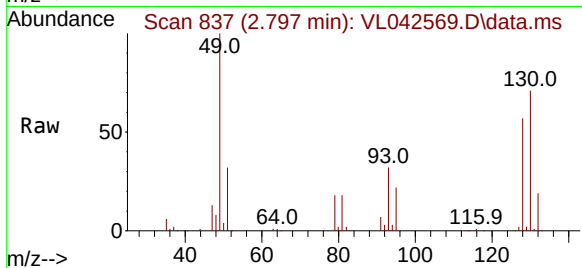
Tgt Ion: 49 Resp: 102406

Ion Ratio Lower Upper

49 100

128 55.7 28.6 85.8

130 70.9 36.6 109.8



#2

Dichlorodifluoromethane

Concen: 0.500 ppbv

RT: 1.502 min Scan# 437

Delta R.T. 0.003 min

Lab File: VL042569.D

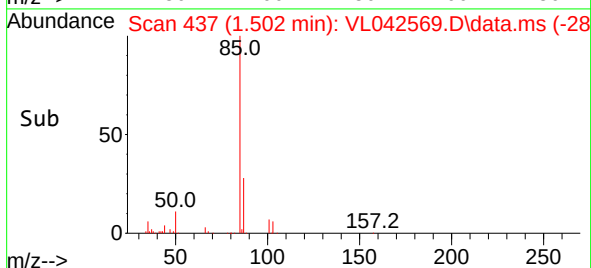
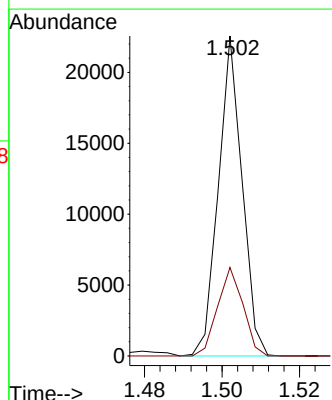
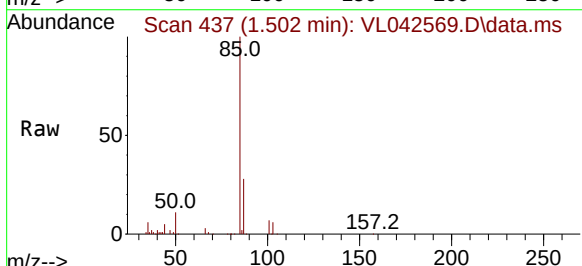
Acq: 21 May 2025 16:53

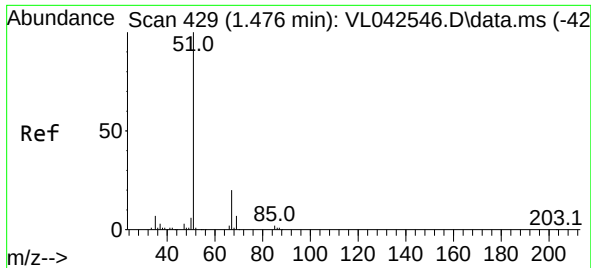
Tgt Ion: 85 Resp: 9583

Ion Ratio Lower Upper

85 100

87 27.6 26.2 39.4





#3

Chlorodifluoromethane

Concen: 0.443 ppbv

RT: 1.479 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042569.D

Acq: 21 May 2025 16:53

Instrument :

MSVOA_L

ClientSampleId :

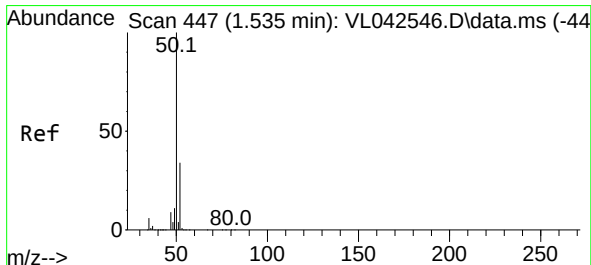
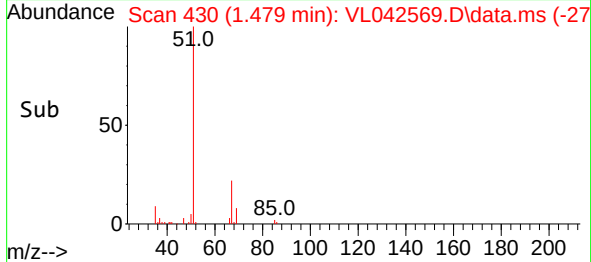
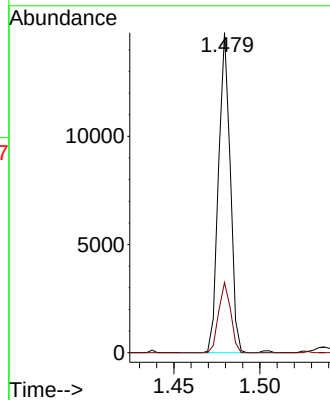
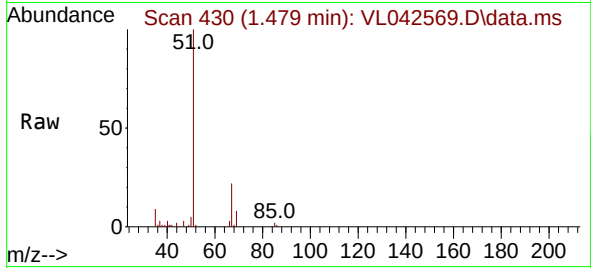
MDL 0.40

Tgt Ion: 51 Resp: 6988

Ion Ratio Lower Upper

51 100

67 22.5 16.6 25.0



#4

Chloromethane

Concen: 0.505 ppbv

RT: 1.538 min Scan# 448

Delta R.T. 0.003 min

Lab File: VL042569.D

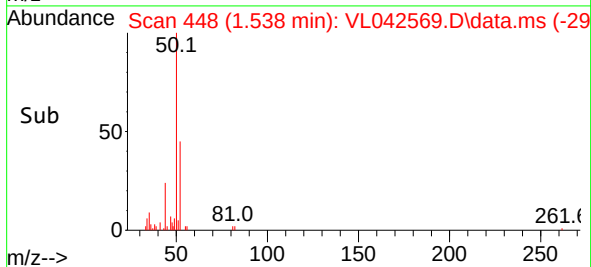
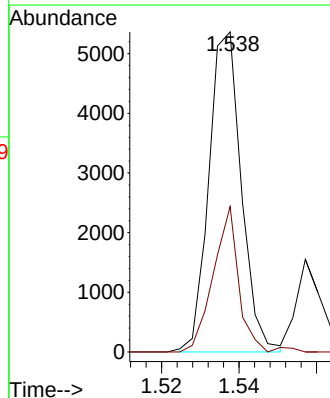
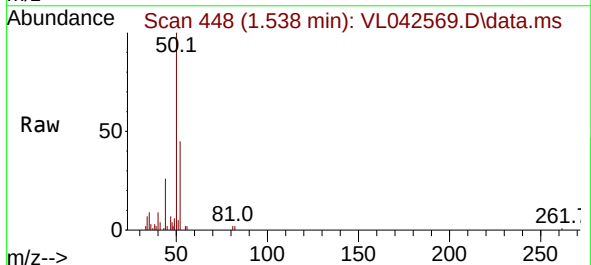
Acq: 21 May 2025 16:53

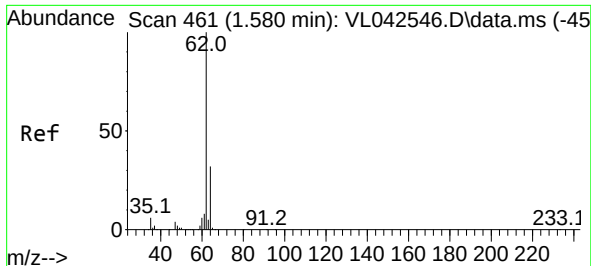
Tgt Ion: 50 Resp: 3116

Ion Ratio Lower Upper

50 100

52 46.4 26.9 40.3#

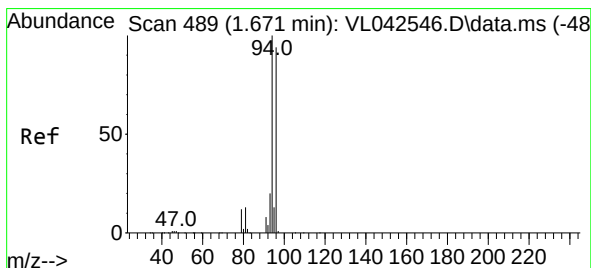
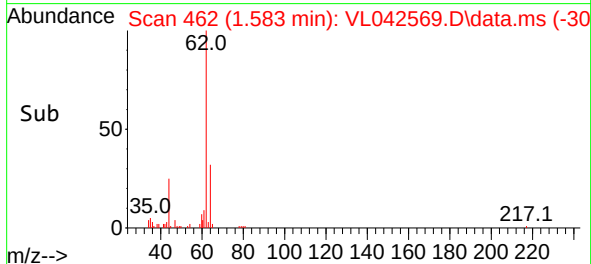
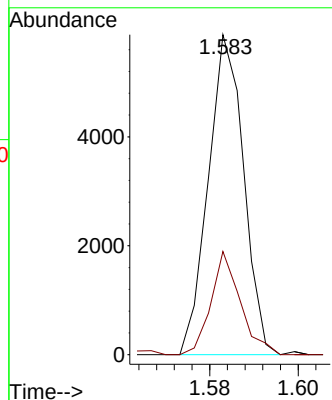
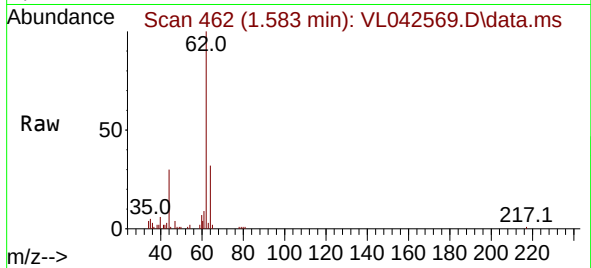




#5
 Vinyl Chloride
 Concen: 0.479 ppbv
 RT: 1.583 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042569.D
 Acq: 21 May 2025 16:53

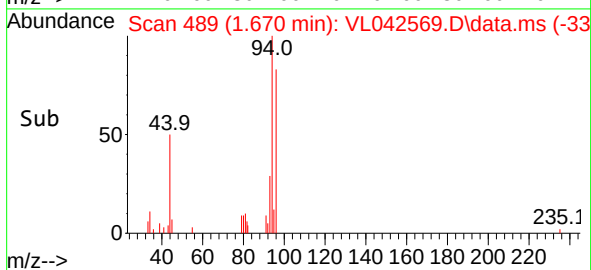
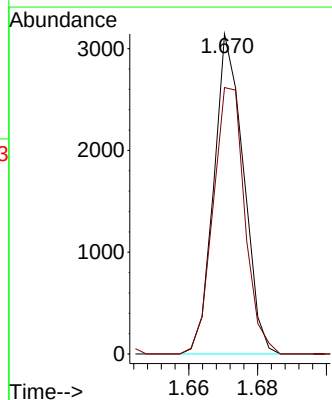
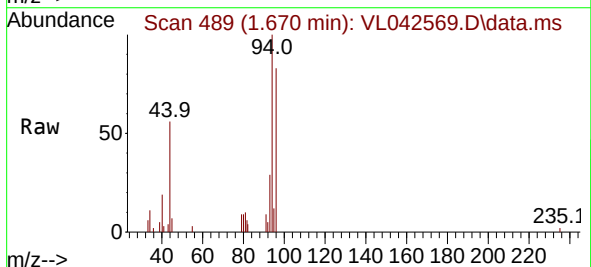
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.40

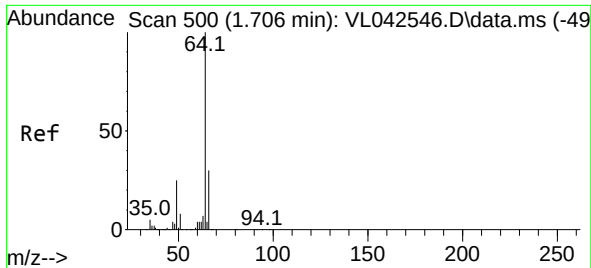
Tgt Ion: 62 Resp: 3259
 Ion Ratio Lower Upper
 62 100
 64 32.2 25.7 38.5



#6
 Bromomethane
 Concen: 0.481 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL042569.D
 Acq: 21 May 2025 16:53

Tgt Ion: 94 Resp: 1884
 Ion Ratio Lower Upper
 94 100
 96 83.2 74.9 112.3

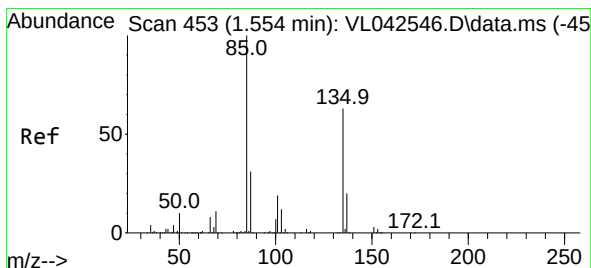
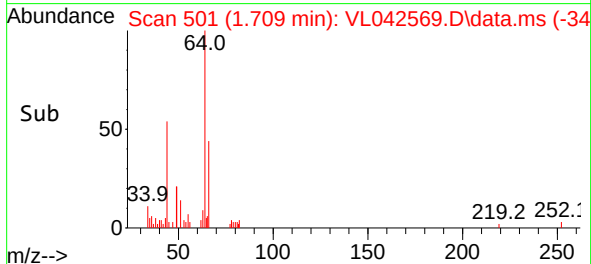
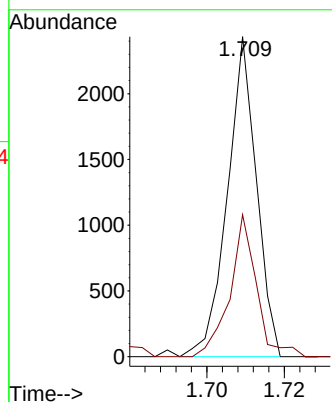
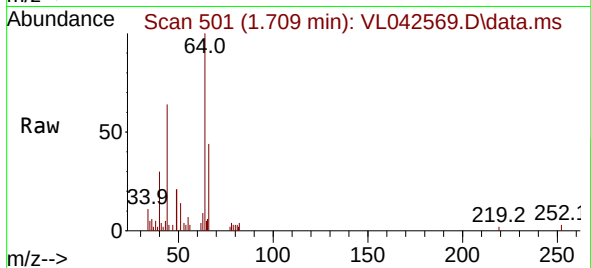




#7
Chloroethane
Concen: 0.465 ppbv
RT: 1.709 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

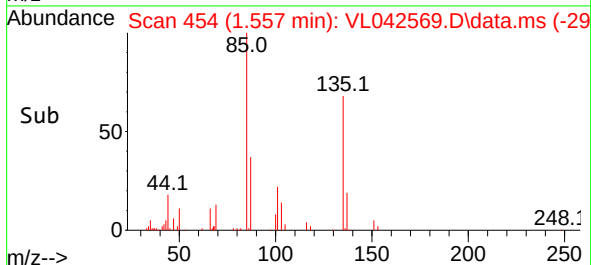
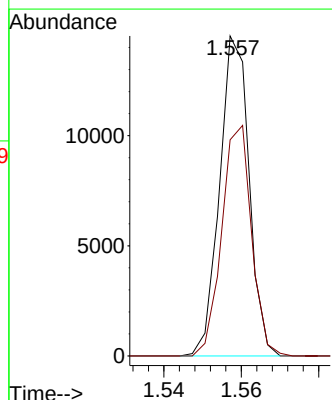
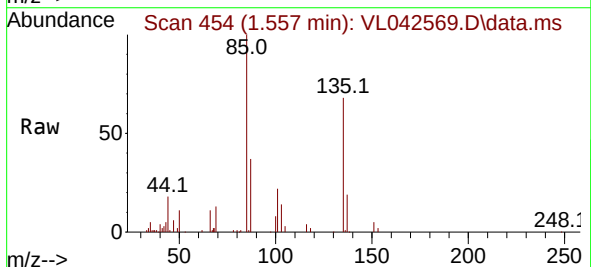
Instrument :
MSVOA_1
ClientSampleId :
MDL 0.40

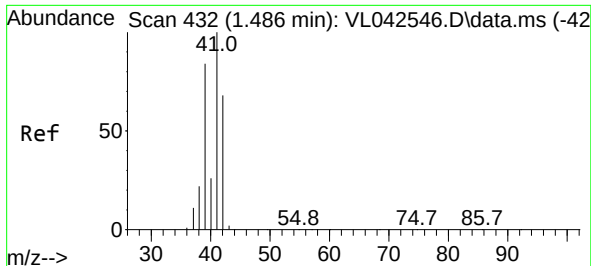
Tgt Ion: 64 Resp: 1272
Ion Ratio Lower Upper
64 100
66 42.2 24.4 36.6#



#8
Dichlorotetrafluoroethane
Concen: 0.473 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

Tgt Ion: 85 Resp: 7677
Ion Ratio Lower Upper
85 100
135 72.8 57.2 85.8





#9

Propene

Concen: 0.310 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042569.D

Acq: 21 May 2025 16:53

Instrument :

MSVOA_L

ClientSampleId :

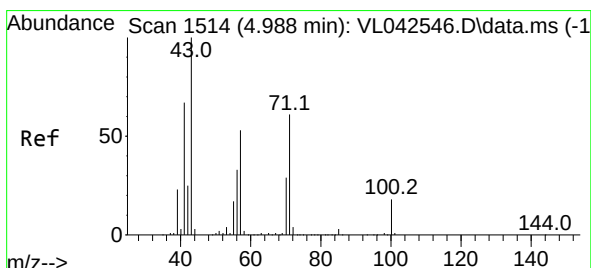
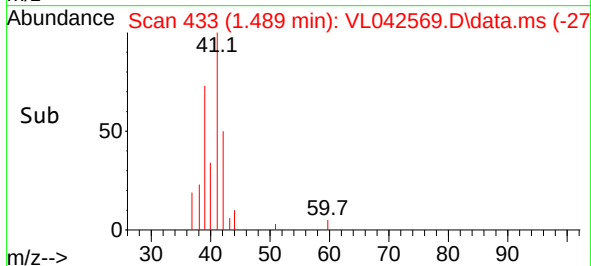
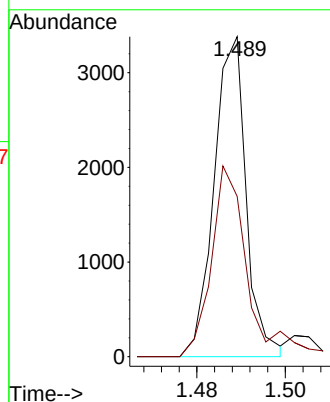
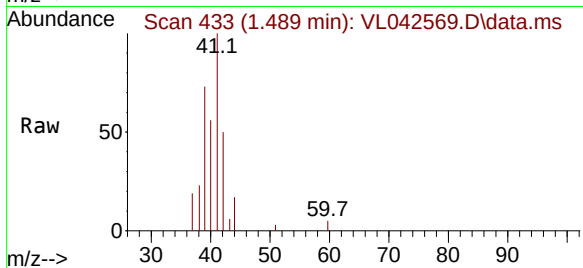
MDL 0.40

Tgt Ion: 41 Resp: 1701

Ion Ratio Lower Upper

41 100

42 67.1 55.0 82.4



#10

Heptane

Concen: 0.041 ppbv

RT: 5.004 min Scan# 1519

Delta R.T. 0.016 min

Lab File: VL042569.D

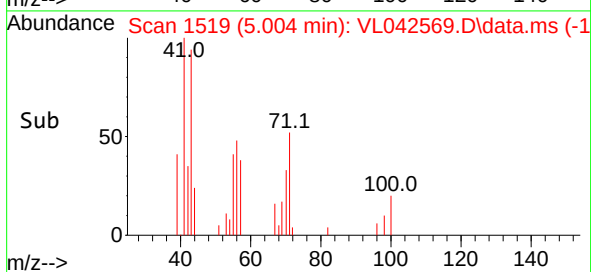
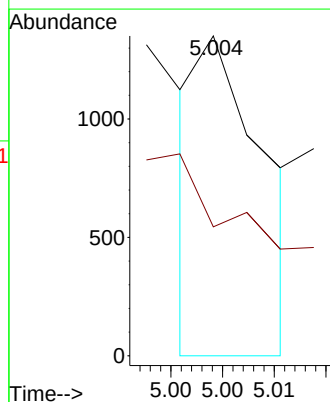
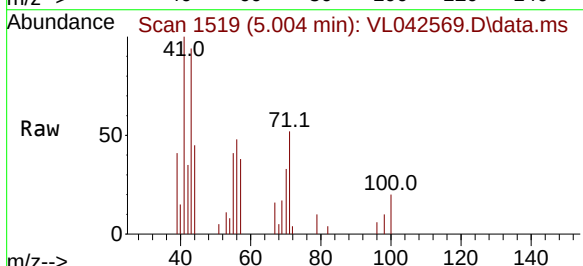
Acq: 21 May 2025 16:53

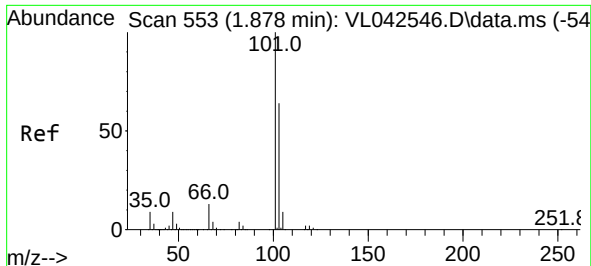
Tgt Ion: 43 Resp: 597

Ion Ratio Lower Upper

43 100

57 0.0 43.4 65.0#

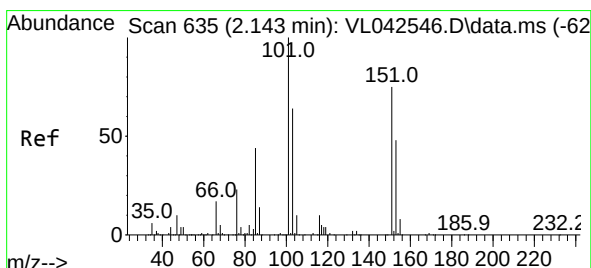
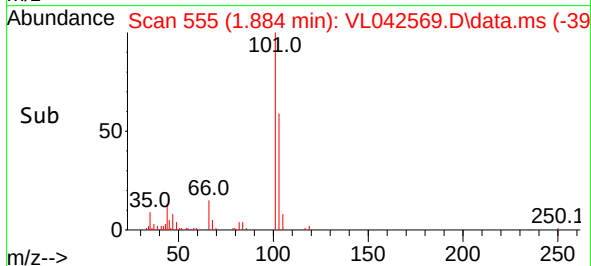
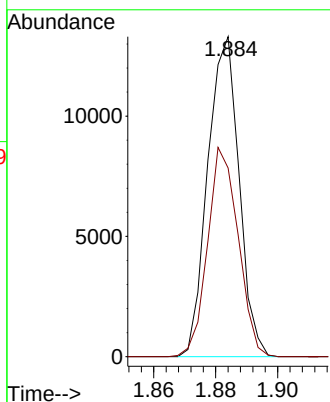
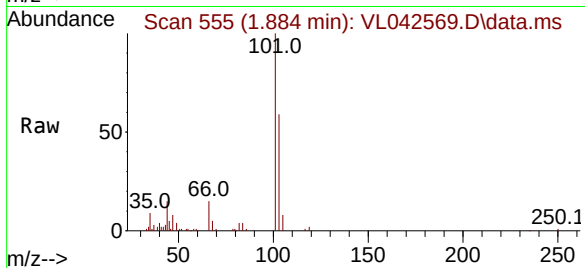




#11
Trichlorofluoromethane
Concen: 0.467 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.006 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

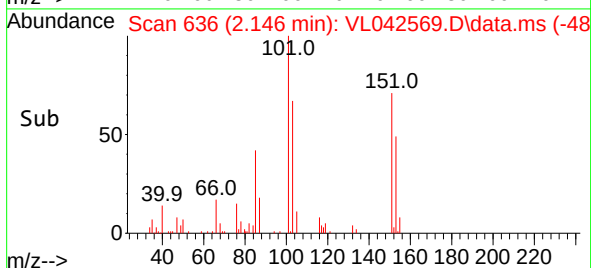
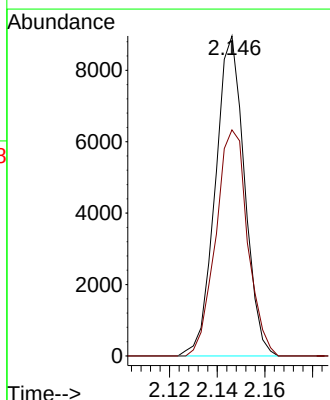
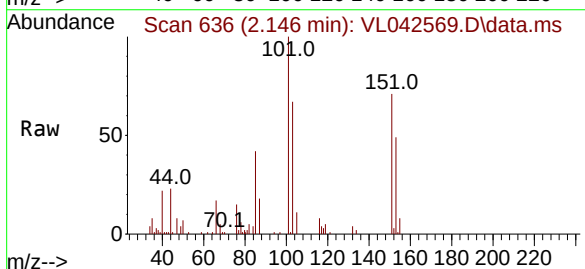
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

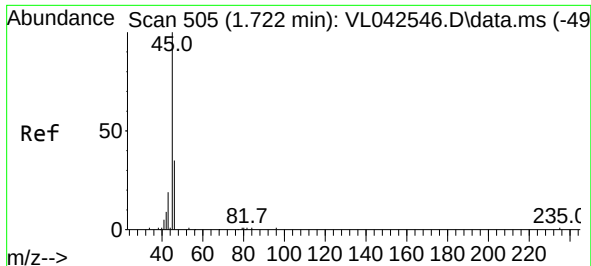
Tgt Ion:101 Resp: 9336
Ion Ratio Lower Upper
101 100
103 58.9 51.5 77.3



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.473 ppbv
RT: 2.146 min Scan# 636
Delta R.T. 0.003 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

Tgt Ion:101 Resp: 7618
Ion Ratio Lower Upper
101 100
151 77.2 59.5 89.3

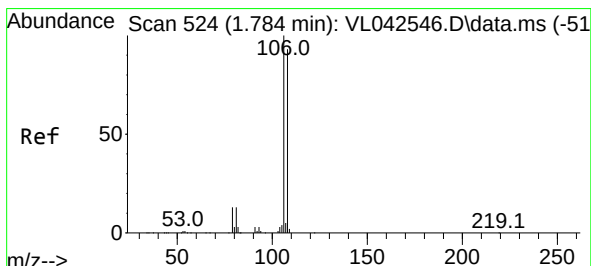
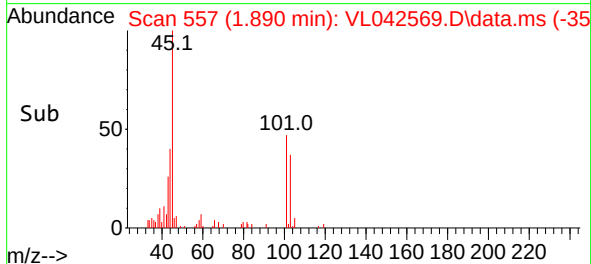
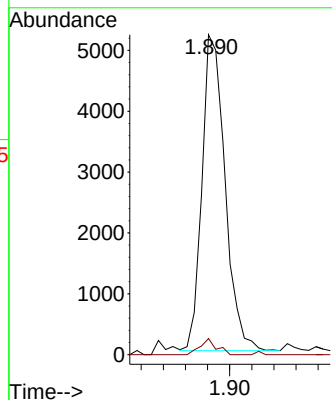
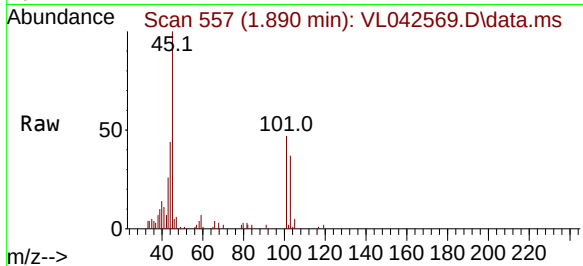




#13
 Ethanol
 Concen: 4.733 ppbv
 RT: 1.890 min Scan# 51
 Delta R.T. 0.168 min
 Lab File: VL042569.D
 Acq: 21 May 2025 16:53

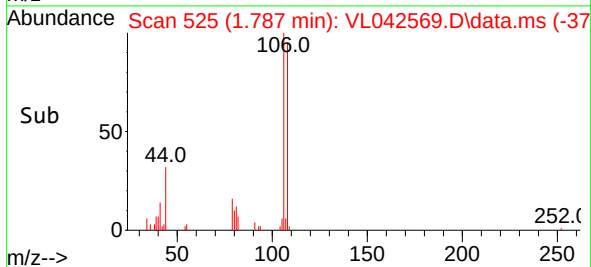
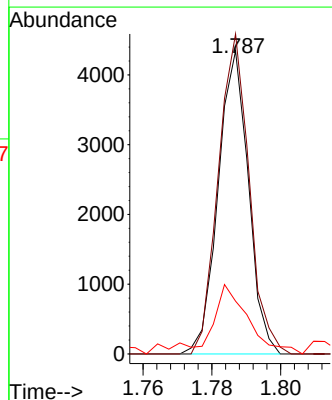
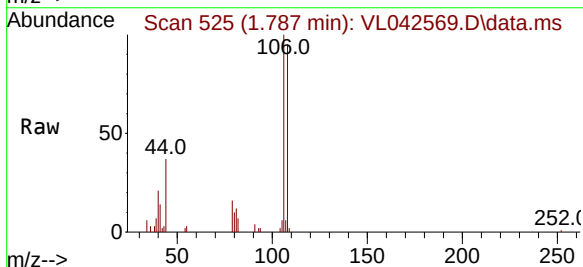
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.40

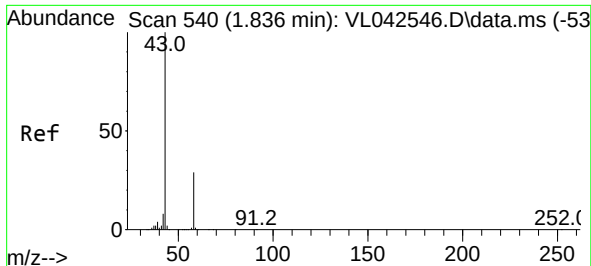
Tgt Ion: 45 Resp: 3762
 Ion Ratio Lower Upper
 45 100
 46 9.3 15.3 61.3#



#14
 Bromoethene
 Concen: 0.436 ppbv
 RT: 1.787 min Scan# 525
 Delta R.T. 0.003 min
 Lab File: VL042569.D
 Acq: 21 May 2025 16:53

Tgt Ion: 108 Resp: 2655
 Ion Ratio Lower Upper
 108 100
 106 107.3 86.4 129.6
 79 39.5 11.9 17.9#

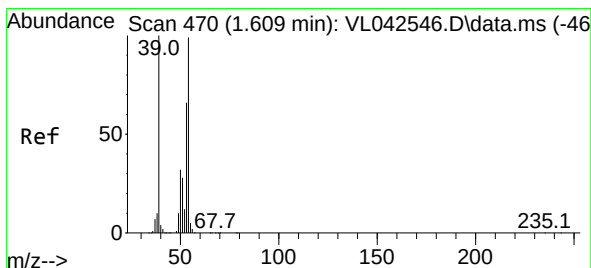
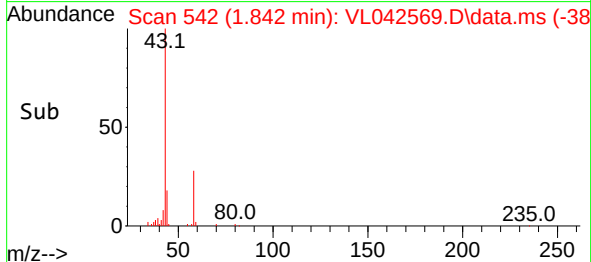
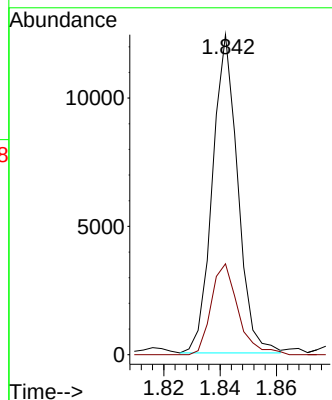
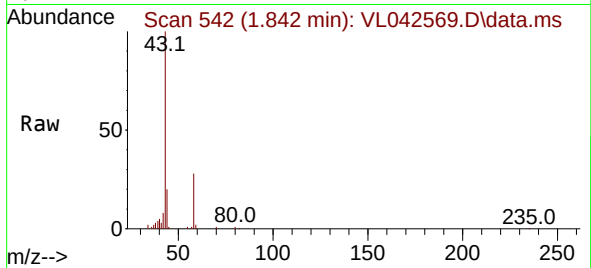




#15
Acetone
Concen: 0.543 ppbv
RT: 1.842 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

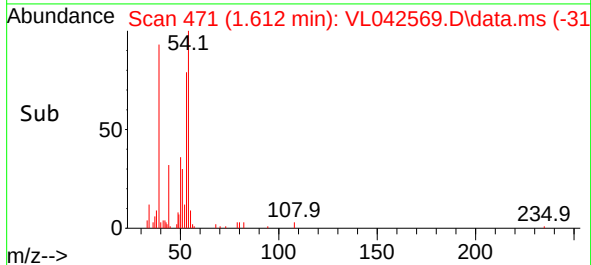
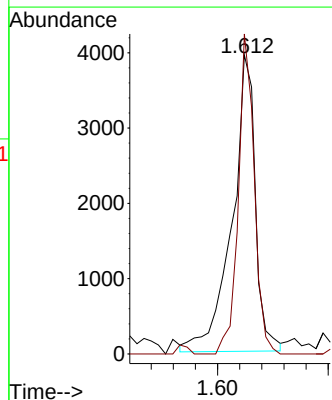
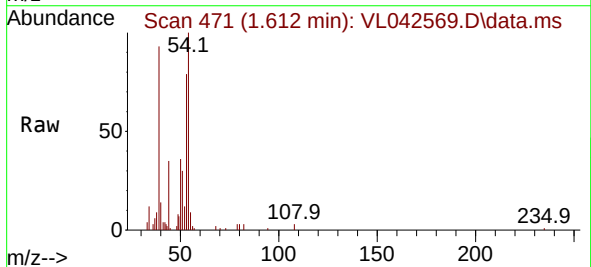
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

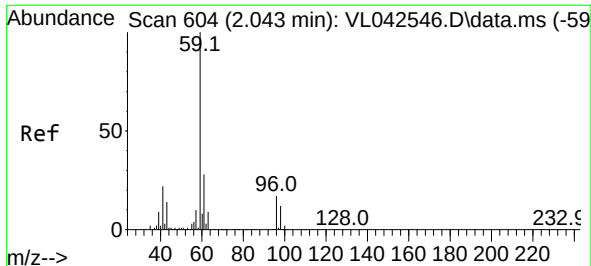
Tgt Ion: 43 Resp: 7747
Ion Ratio Lower Upper
43 100
58 30.4 24.2 36.2



#16
1,3-Butadiene
Concen: 0.498 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

Tgt Ion: 39 Resp: 2884
Ion Ratio Lower Upper
39 100
54 75.7 71.8 107.8





#17

tert-Butyl alcohol

Concen: 0.424 ppbv

RT: 2.049 min Scan# 604

Delta R.T. 0.006 min

Lab File: VL042569.D

Acq: 21 May 2025 16:53

Instrument :

MSVOA_L

ClientSampleId :

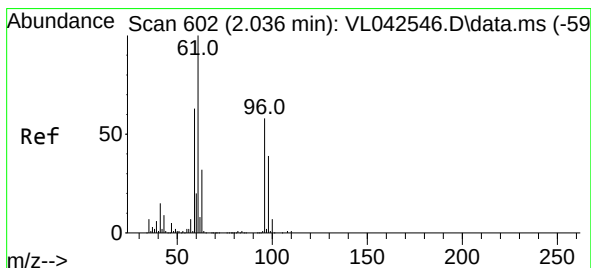
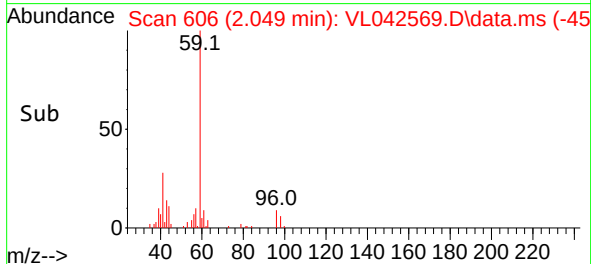
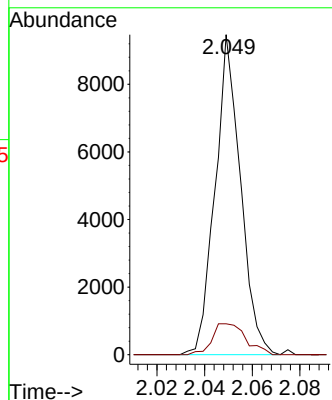
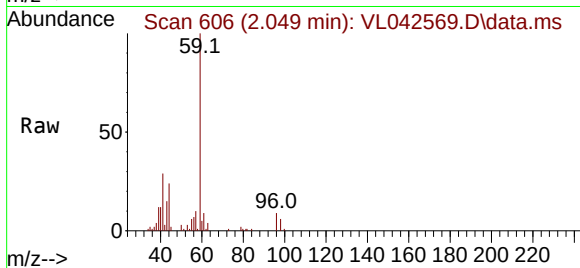
MDL 0.40

Tgt Ion: 59 Resp: 6988

Ion Ratio Lower Upper

59 100

57 12.9 8.2 12.2#



#18

1,1-Dichloroethene

Concen: 0.498 ppbv

RT: 2.347 min Scan# 698

Delta R.T. 0.311 min

Lab File: VL042569.D

Acq: 21 May 2025 16:53

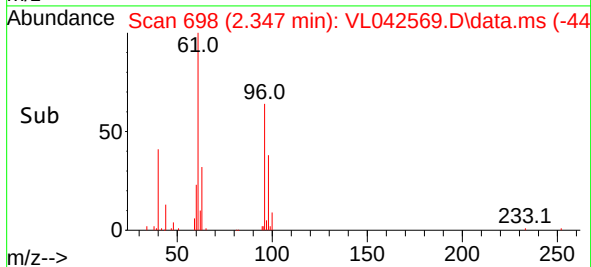
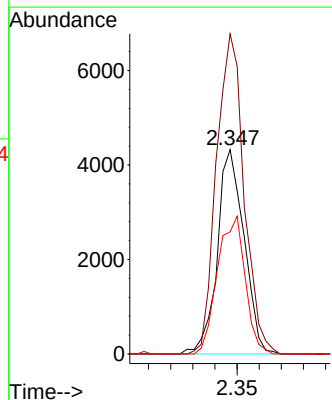
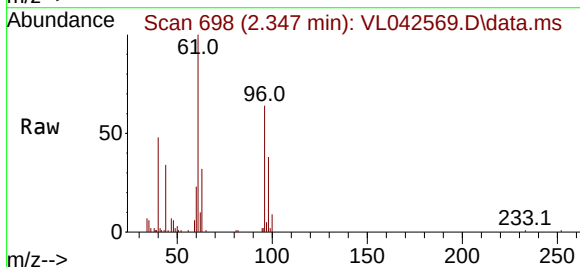
Tgt Ion: 96 Resp: 3626

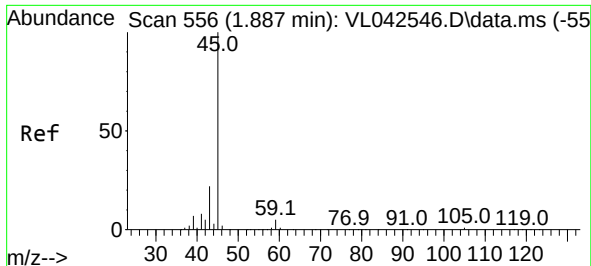
Ion Ratio Lower Upper

96 100

61 156.6 137.5 206.3

98 59.7 53.2 79.8

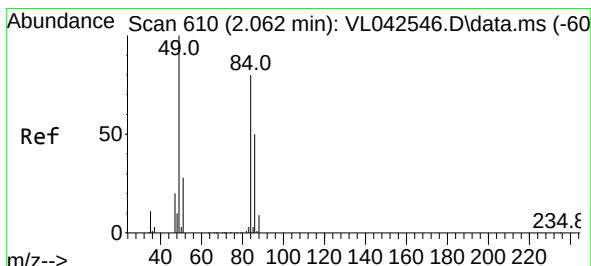
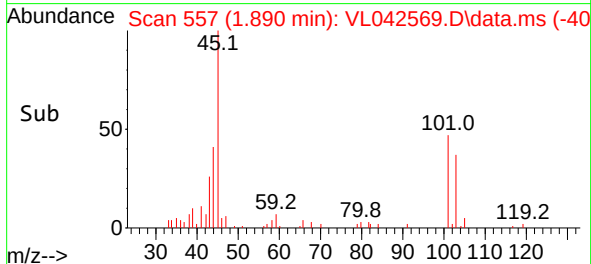
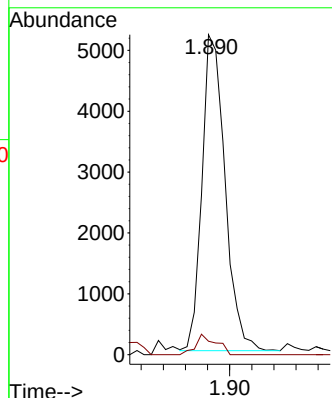
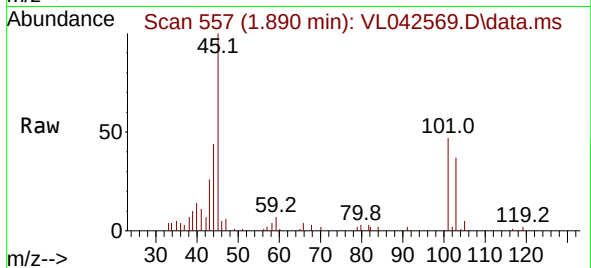




#19
Isopropyl Alcohol
Concen: 0.464 ppbv
RT: 1.890 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

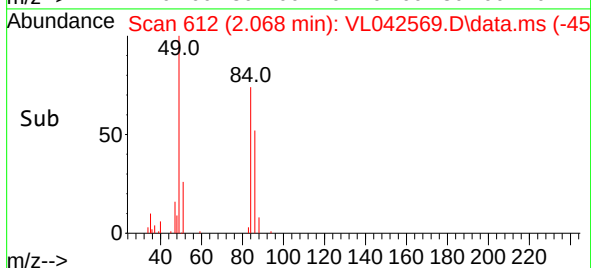
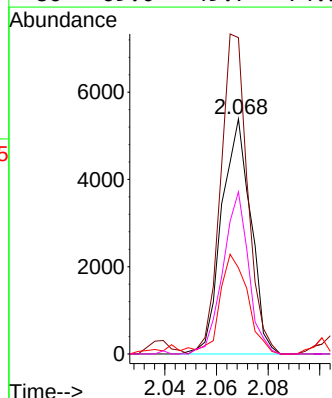
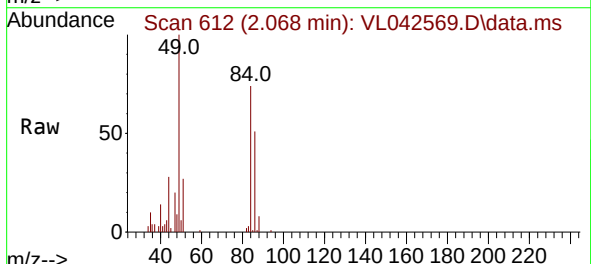
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

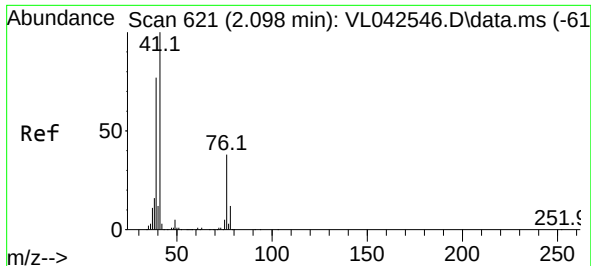
Tgt Ion: 45 Resp: 3762
Ion Ratio Lower Upper
45 100
58 5.7 35.3 52.9#



#20
Methylene Chloride
Concen: 0.610 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.006 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

Tgt Ion: 84 Resp: 4216
Ion Ratio Lower Upper
84 100
49 134.6 99.7 149.5
51 36.6 29.7 44.5
86 69.0 49.7 74.5

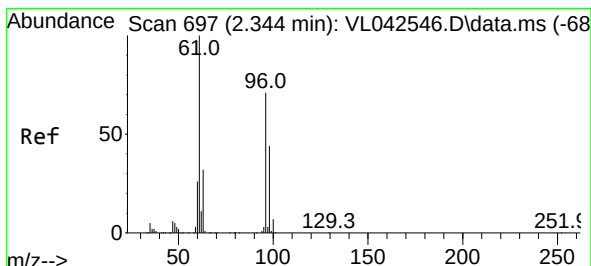
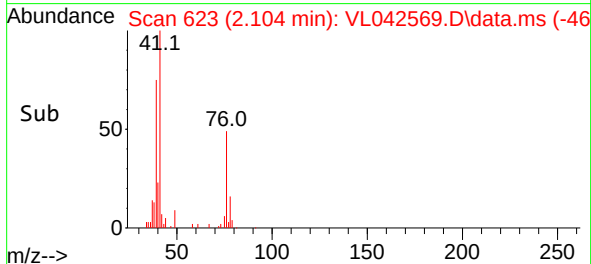
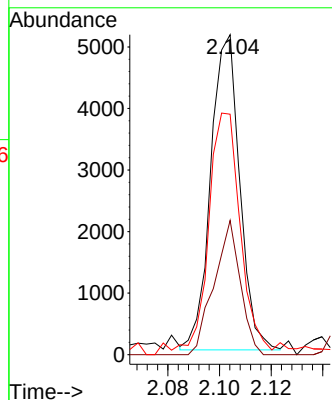
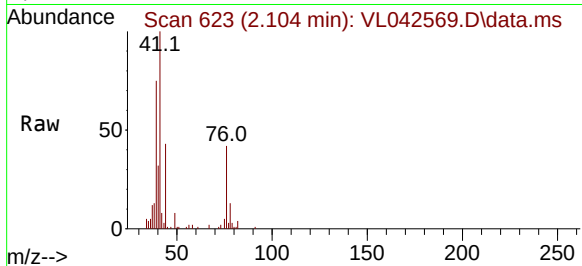




#21
 Allyl Chloride
 Concen: 0.437 ppbv
 RT: 2.104 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VL042569.D
 Acq: 21 May 2025 16:53

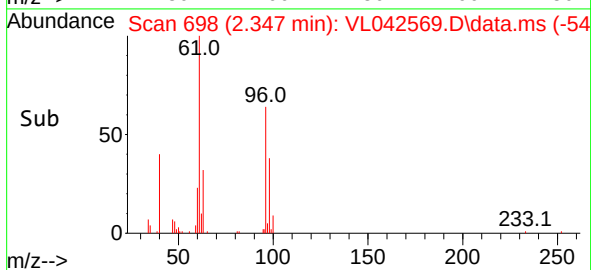
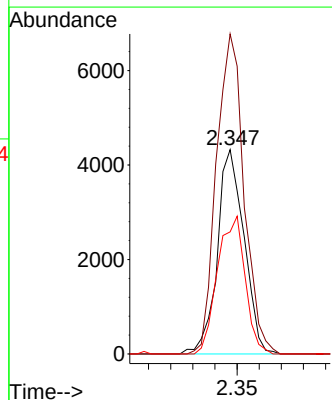
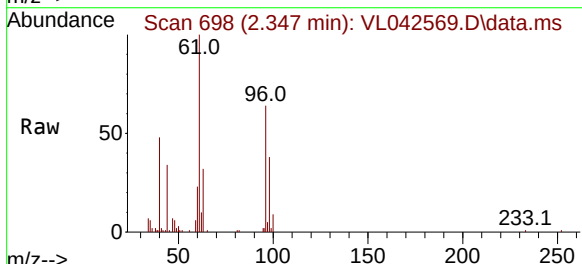
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.40

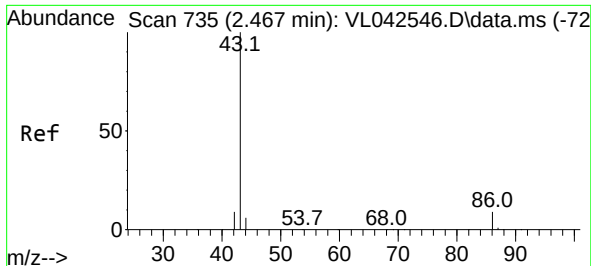
Tgt Ion: 41	Resp: 3995
Ion Ratio	Lower Upper
41	100
76	38.5 30.2 45.4
39	85.0 62.5 93.7



#22
 trans-1,2-Dichloroethene
 Concen: 0.449 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.003 min
 Lab File: VL042569.D
 Acq: 21 May 2025 16:53

Tgt Ion: 96	Resp: 3626
Ion Ratio	Lower Upper
96	100
61	156.6 112.5 168.7
98	59.7 49.0 73.4



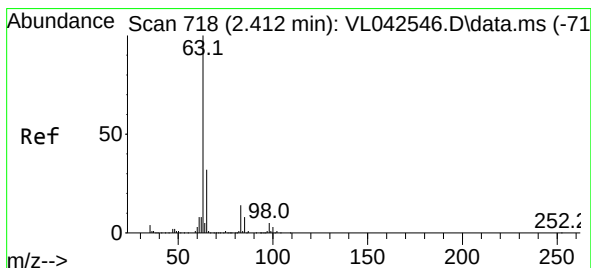
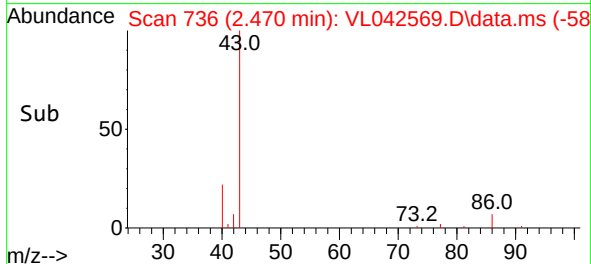
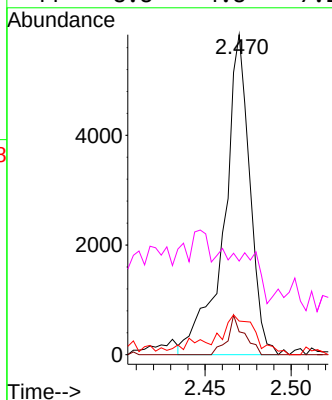
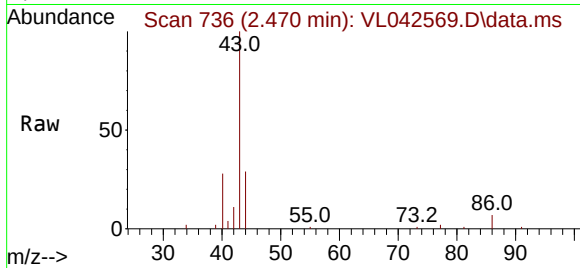


#23
 Vinyl Acetate
 Concen: 0.374 ppbv
 RT: 2.470 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL042569.D
 Acq: 21 May 2025 16:53

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.40

Tgt Ion: 43 Resp: 6073

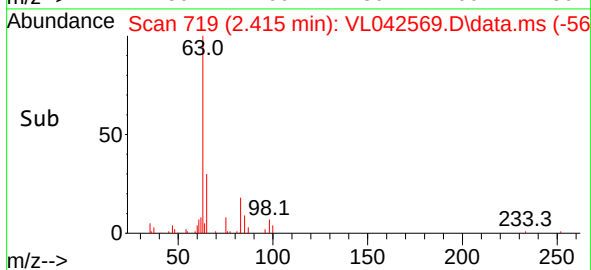
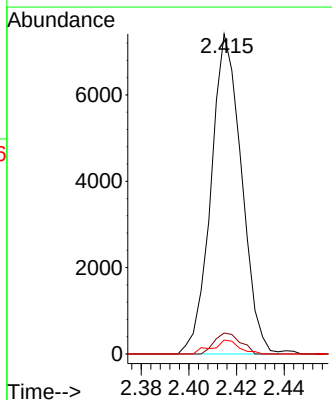
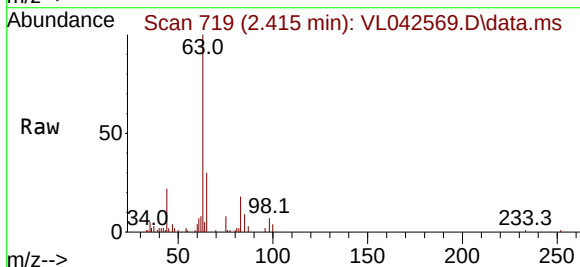
Ion	Ratio	Lower	Upper
43	100		
86	7.1	7.0	10.6
42	9.4	7.4	11.2
44	8.8	4.8	7.2

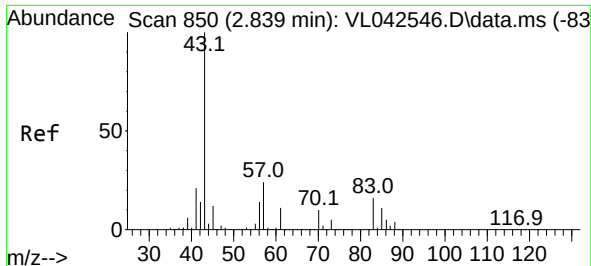


#24
 1,1-Dichloroethane
 Concen: 0.477 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL042569.D
 Acq: 21 May 2025 16:53

Tgt Ion: 63 Resp: 6608

Ion	Ratio	Lower	Upper
63	100		
98	6.6	2.6	7.8
100	4.3	1.8	5.3

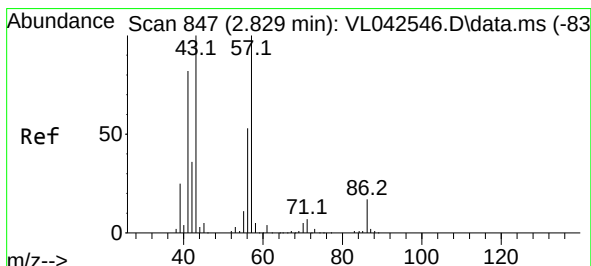
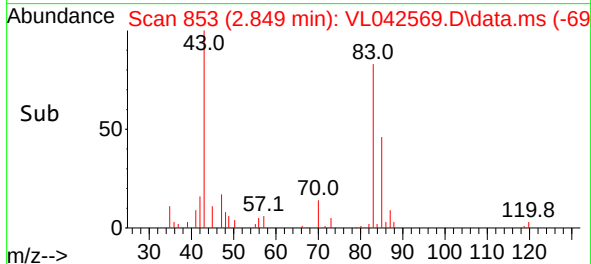
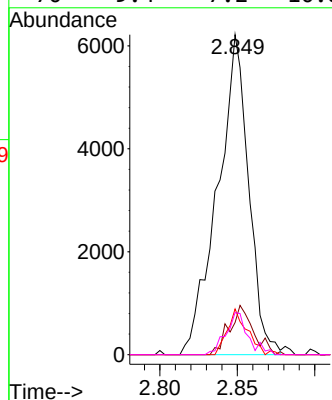
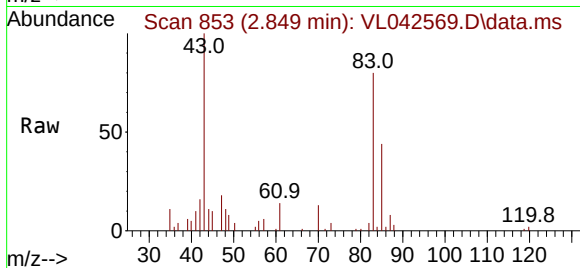




#25
Ethyl Acetate
Concen: 0.315 ppbv
RT: 2.849 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

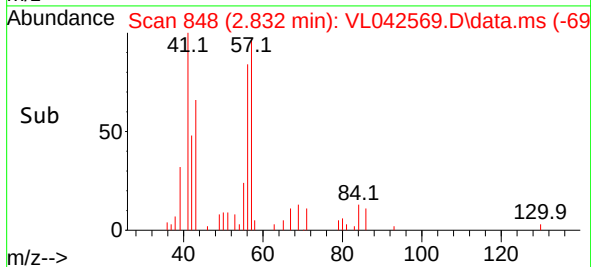
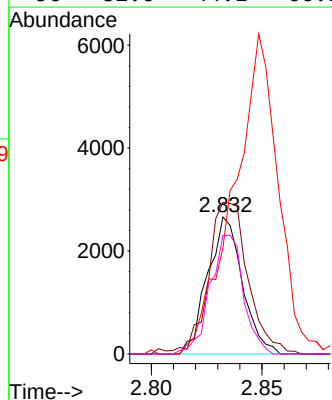
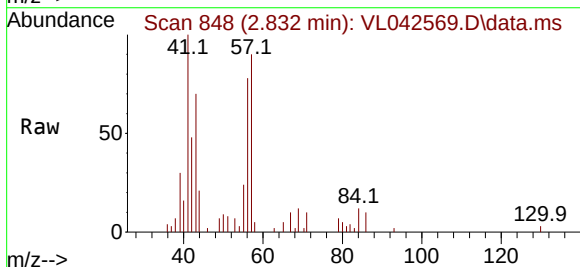
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

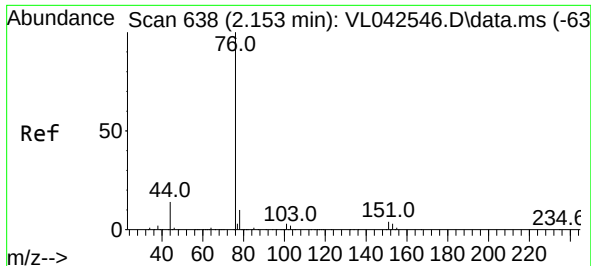
Tgt Ion: 43	Resp: 8677
Ion Ratio	Lower Upper
43 100	
45 11.9	8.0 12.0
61 9.3	7.5 11.3
70 9.4	7.2 10.8



#26
Hexane
Concen: 0.232 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

Tgt Ion: 57	Resp: 2899
Ion Ratio	Lower Upper
57 100	
41 126.9	69.0 103.4#
43 301.6	174.2 261.2#
56 82.6	44.1 66.1#





#27

Carbon Disulfide

Concen: 0.445 ppbv

RT: 2.156 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL042569.D

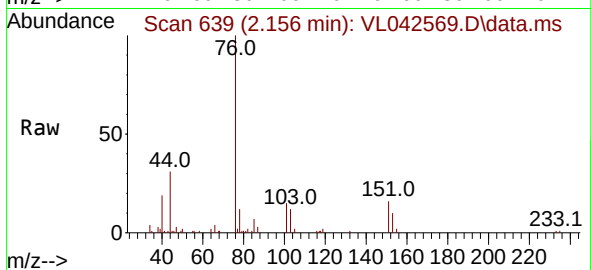
Acq: 21 May 2025 16:53

Instrument :

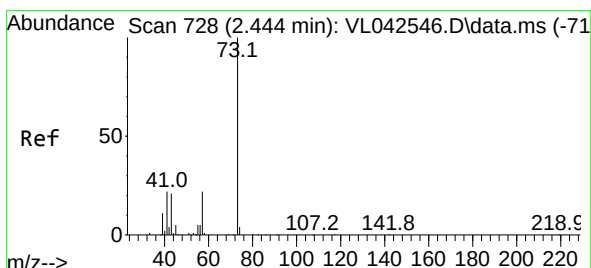
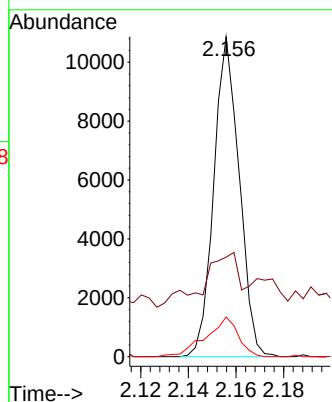
MSVOA_L

ClientSampleId :

MDL 0.40



Tgt Ion:	76	Resp:	8044
Ion	Ratio	Lower	Upper
76	100		
44	78.5	14.0	21.0#
78	15.8	9.4	14.0#



#28

Methyl tert-Butyl Ether

Concen: 0.438 ppbv

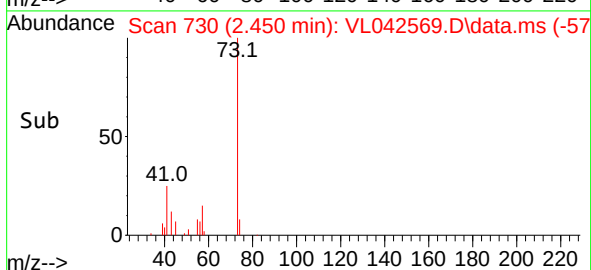
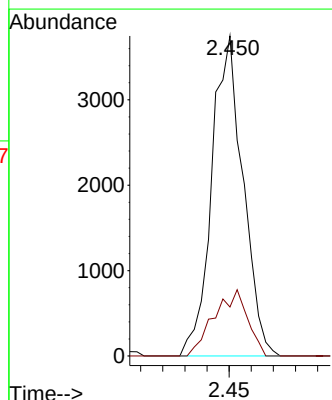
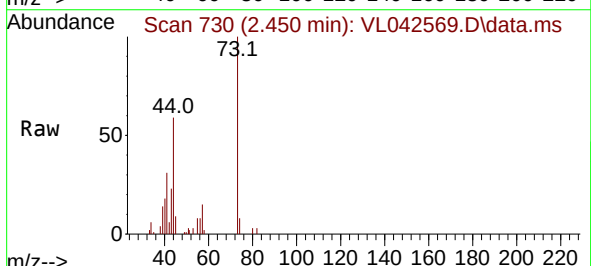
RT: 2.450 min Scan# 730

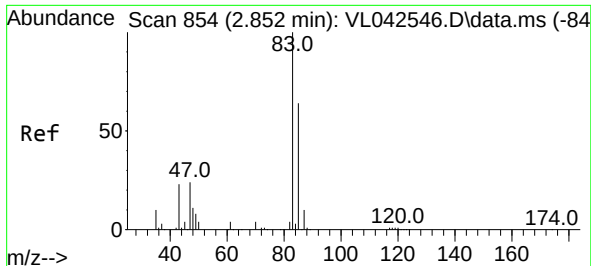
Delta R.T. 0.006 min

Lab File: VL042569.D

Acq: 21 May 2025 16:53

Tgt Ion:	73	Resp:	3685
Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.2	25.8





#29

Chloroform

Concen: 0.448 ppbv

RT: 2.858 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL042569.D

Acq: 21 May 2025 16:53

Instrument :

MSVOA_1

ClientSampleId :

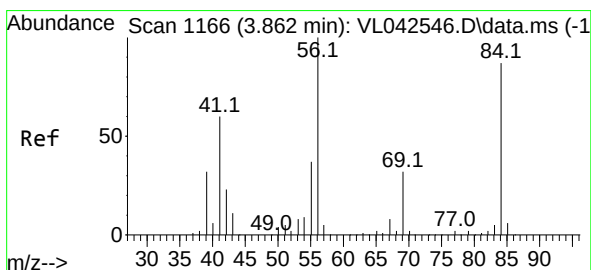
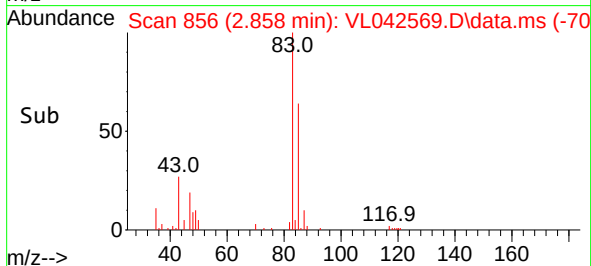
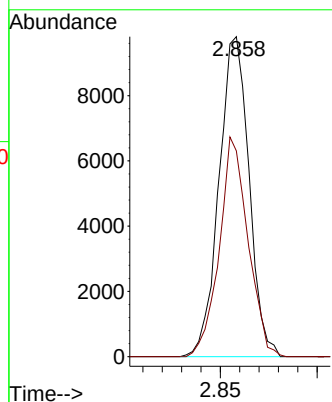
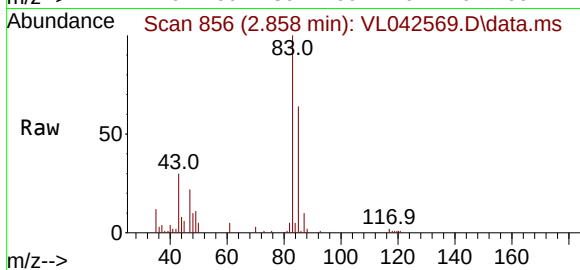
MDL 0.40

Tgt Ion: 83 Resp: 10557

Ion Ratio Lower Upper

83 100

85 64.3 51.6 77.4



#30

Cyclohexane

Concen: 0.128 ppbv

RT: 3.871 min Scan# 1169

Delta R.T. 0.010 min

Lab File: VL042569.D

Acq: 21 May 2025 16:53

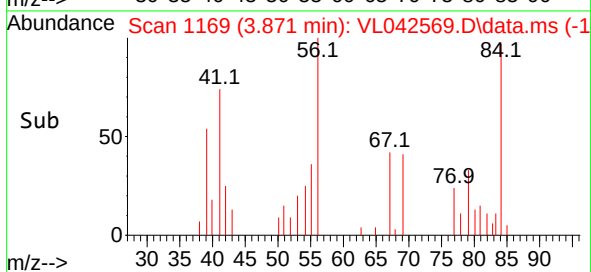
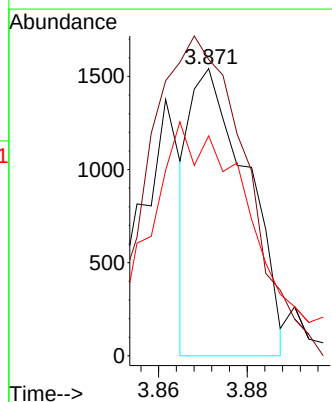
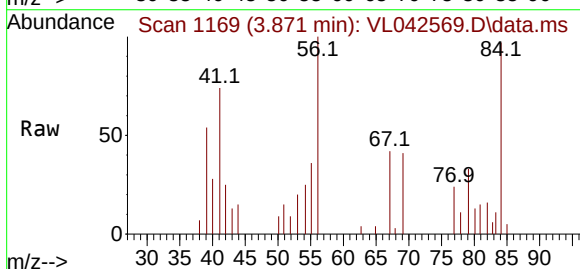
Tgt Ion: 84 Resp: 1380

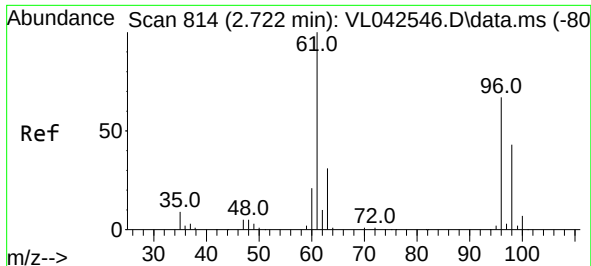
Ion Ratio Lower Upper

84 100

56 0.0 92.3 138.5#

41 0.0 57.0 85.4#

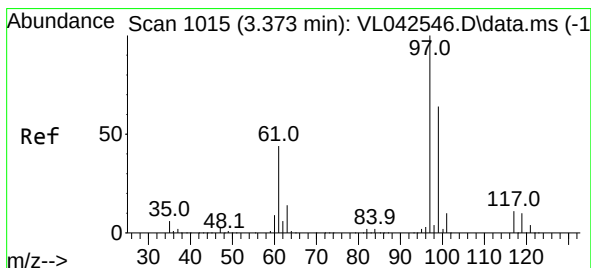
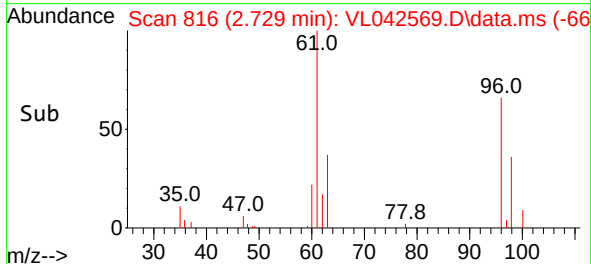
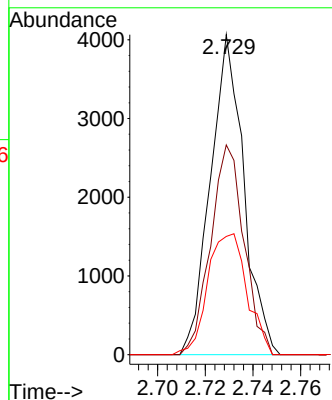
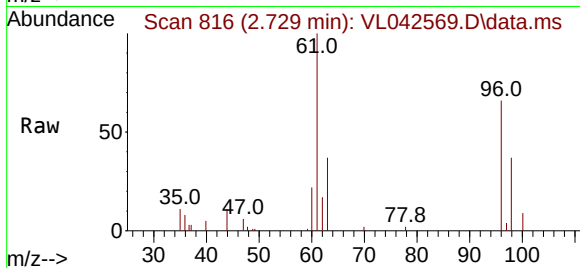




#31
 cis-1,2-Dichloroethene
 Concen: 0.288 ppbv
 RT: 2.729 min Scan# 814
 Delta R.T. 0.006 min
 Lab File: VL042569.D
 Acq: 21 May 2025 16:53

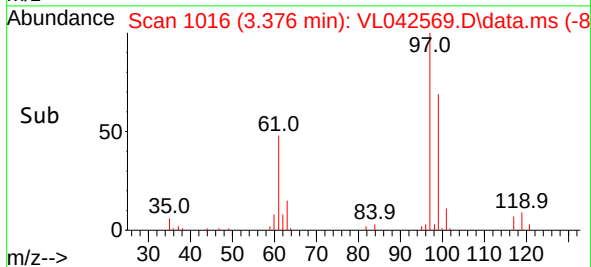
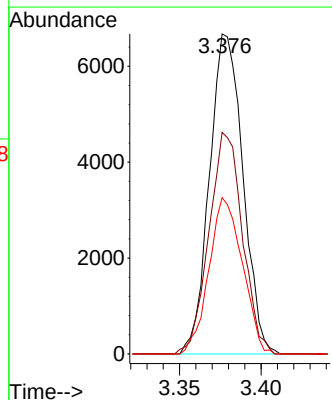
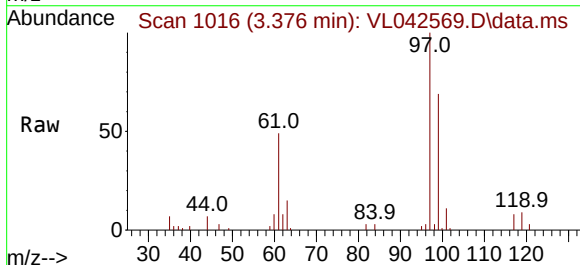
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.40

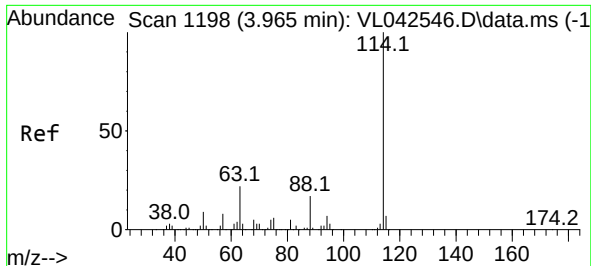
Tgt Ion: 61 Resp: 3951
 Ion Ratio Lower Upper
 61 100
 96 65.6 53.8 80.8
 98 36.9 34.5 51.7



#32
 1,1,1-Trichloroethane
 Concen: 0.395 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.003 min
 Lab File: VL042569.D
 Acq: 21 May 2025 16:53

Tgt Ion: 97 Resp: 9510
 Ion Ratio Lower Upper
 97 100
 99 69.3 51.5 77.3
 61 48.8 35.7 53.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.972 min Scan# 1198

Delta R.T. 0.006 min

Lab File: VL042569.D

Acq: 21 May 2025 16:53

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.40

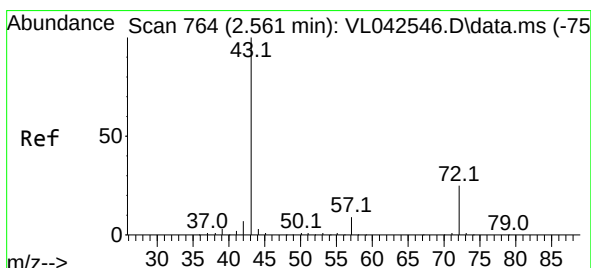
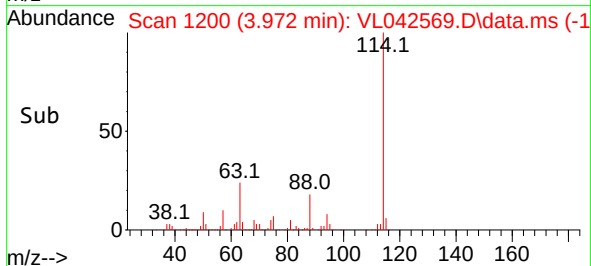
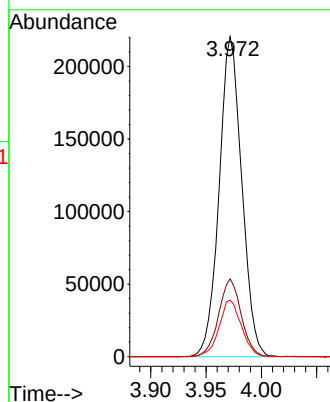
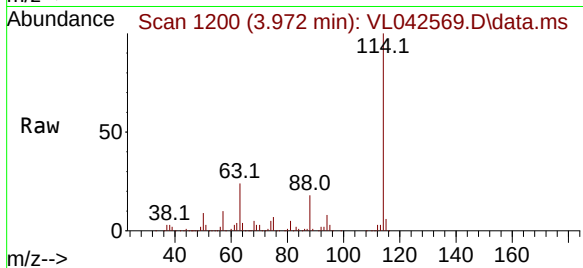
Tgt Ion:114 Resp: 313519

Ion Ratio Lower Upper

114 100

63 24.3 18.4 27.6

88 17.4 14.0 21.0



#34

2-Butanone

Concen: 0.358 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.010 min

Lab File: VL042569.D

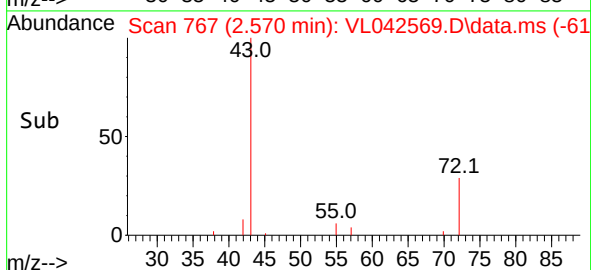
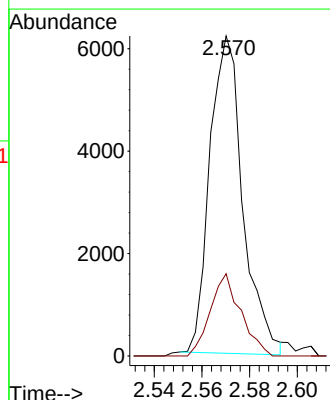
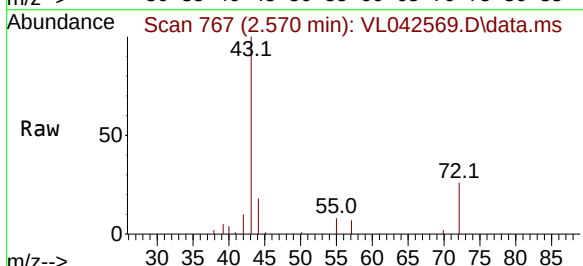
Acq: 21 May 2025 16:53

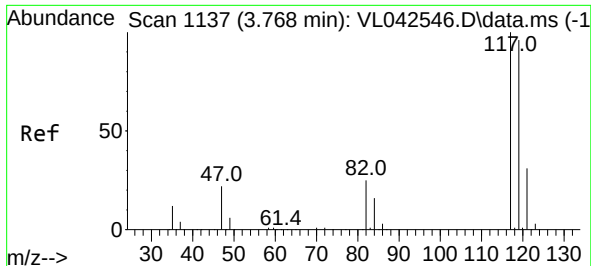
Tgt Ion: 43 Resp: 5958

Ion Ratio Lower Upper

43 100

72 24.0 20.5 30.7

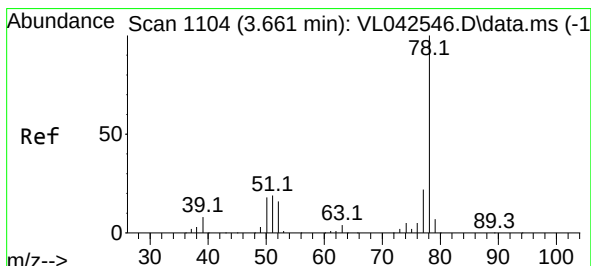
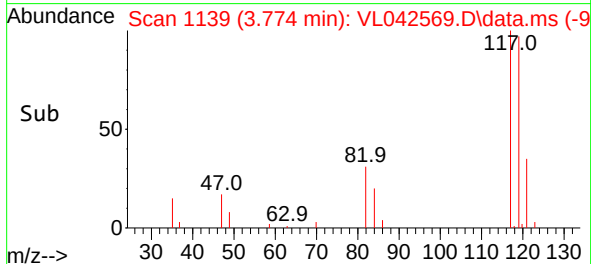
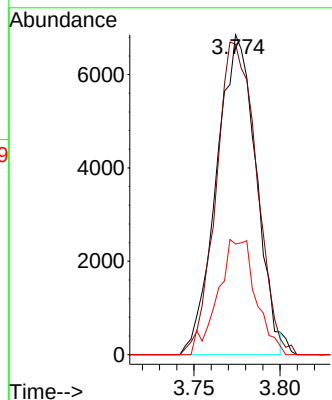
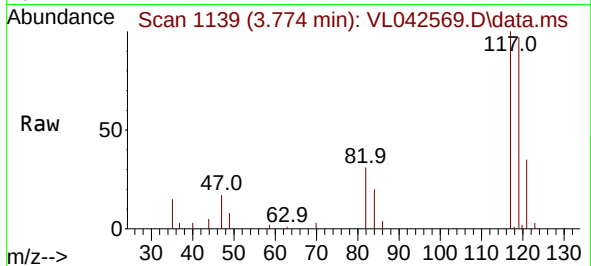




#35
Carbon Tetrachloride
Concen: 0.455 ppbv
RT: 3.774 min Scan# 1137
Delta R.T. 0.006 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

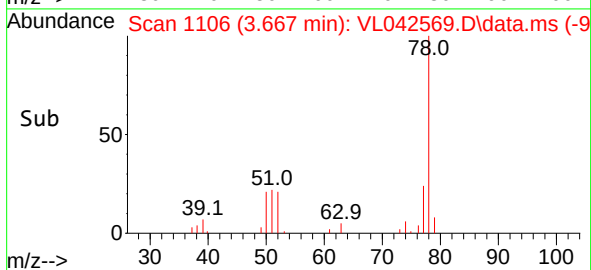
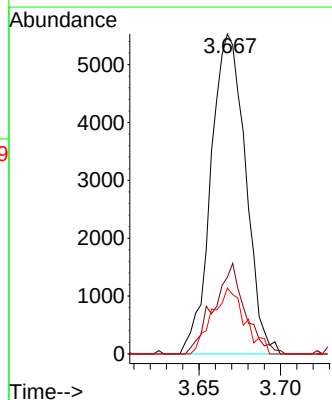
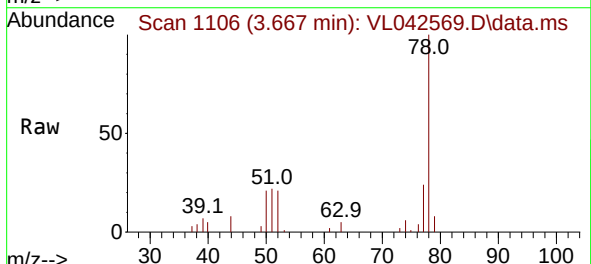
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

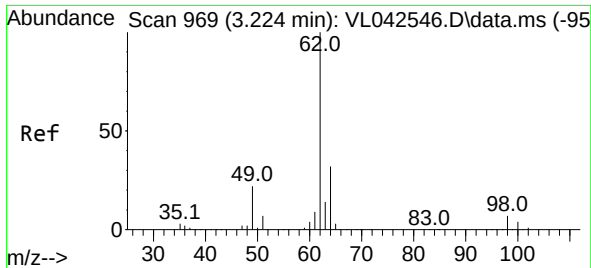
Tgt Ion:117 Resp: 10916
Ion Ratio Lower Upper
117 100
119 97.1 76.6 114.8
121 34.6 24.7 37.1



#36
Benzene
Concen: 0.321 ppbv
RT: 3.667 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

Tgt Ion: 78 Resp: 8135
Ion Ratio Lower Upper
78 100
77 24.0 17.8 26.6
50 20.6 14.0 21.0

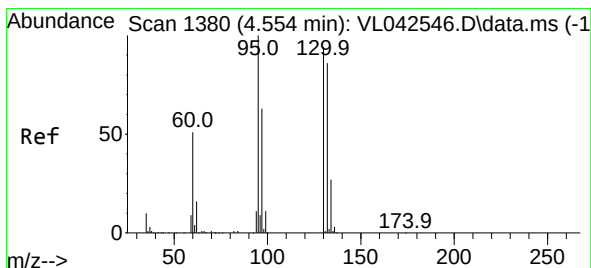
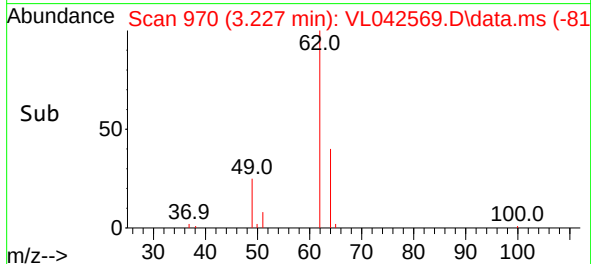
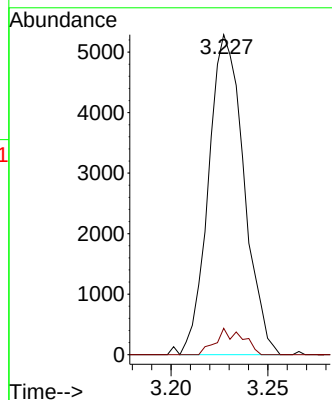
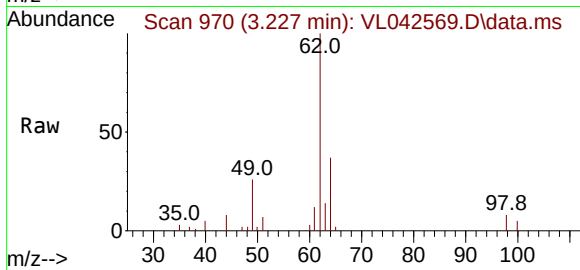




#37
1,2-Dichloroethane
Concen: 0.434 ppbv
RT: 3.227 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

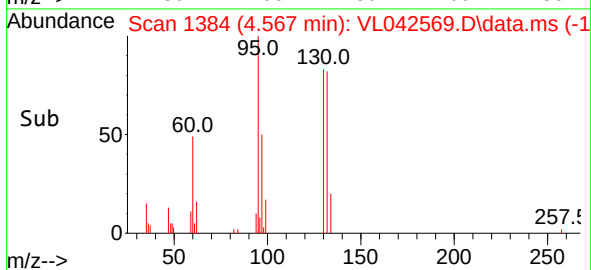
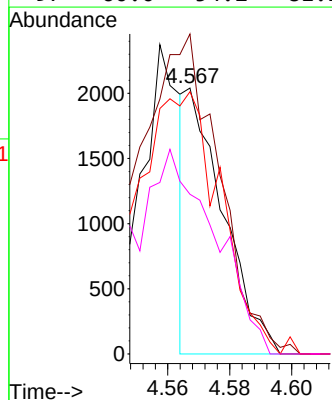
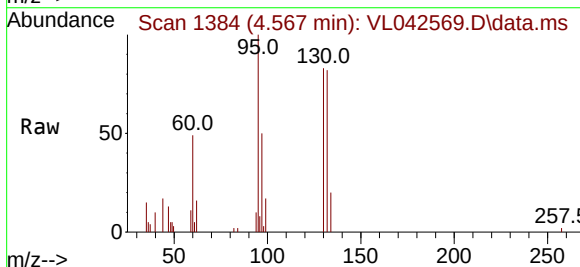
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

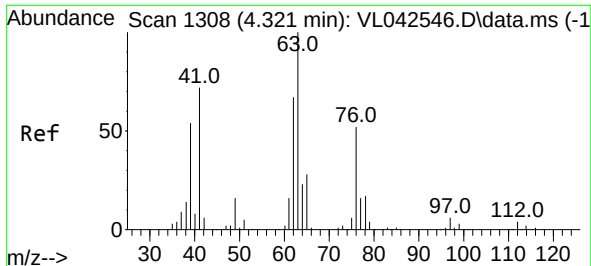
Tgt Ion: 62 Resp: 6723
Ion Ratio Lower Upper
62 100
98 6.2 5.5 8.3



#38
Trichloroethene
Concen: 0.148 ppbv
RT: 4.567 min Scan# 1384
Delta R.T. 0.013 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

Tgt Ion: 130 Resp: 1713
Ion Ratio Lower Upper
130 100
95 117.9 85.2 127.8
132 98.6 73.4 110.2
97 60.0 54.2 81.2





#39

1,2-Dichloropropane

Concen: 0.423 ppbv

RT: 4.324 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL042569.D

Acq: 21 May 2025 16:53

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.40

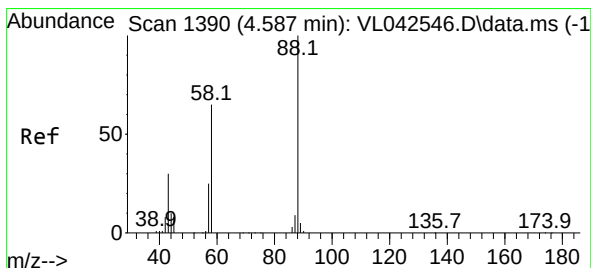
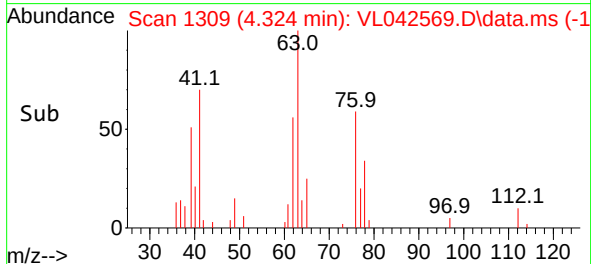
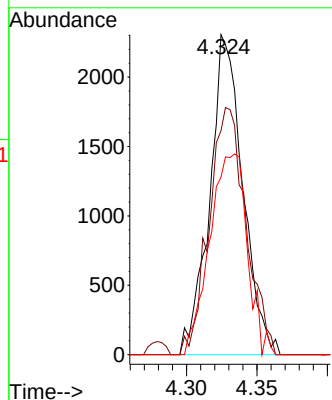
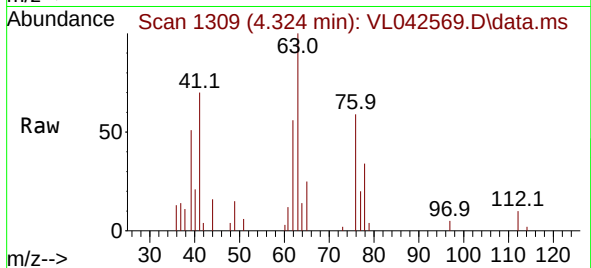
Tgt Ion: 63 Resp: 3769

Ion Ratio Lower Upper

63 100

41 70.0 58.0 87.0

62 55.5 53.3 79.9



#40

1,4-Dioxane

Concen: 0.076 ppbv

RT: 4.612 min Scan# 1398

Delta R.T. 0.026 min

Lab File: VL042569.D

Acq: 21 May 2025 16:53

Tgt Ion: 88 Resp: 303

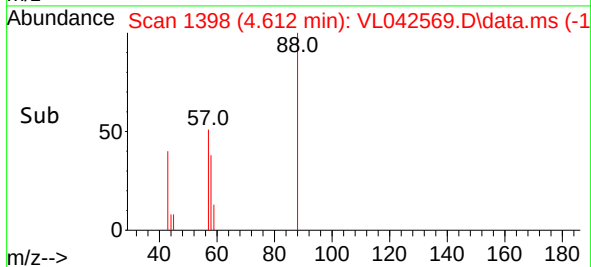
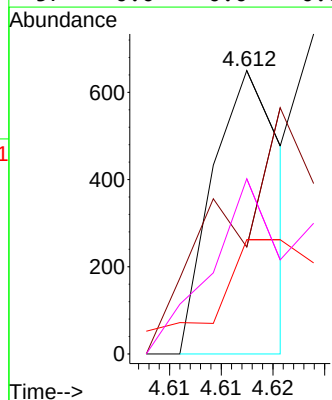
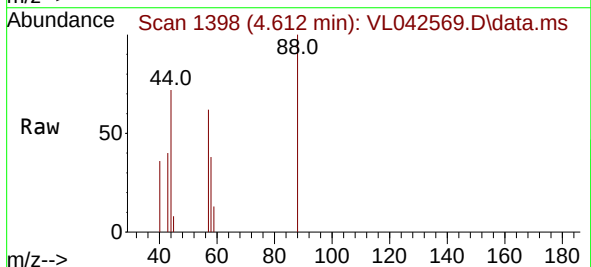
Ion Ratio Lower Upper

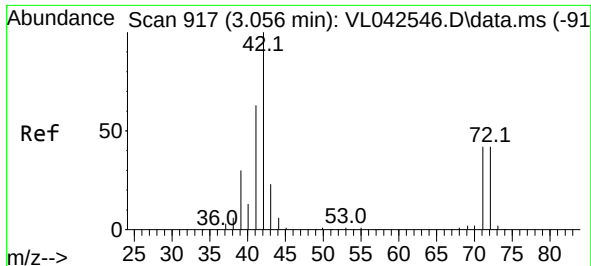
88 100

58 0.0 52.8 79.2#

43 0.0 23.0 34.4#

57 0.0 0.0 0.0

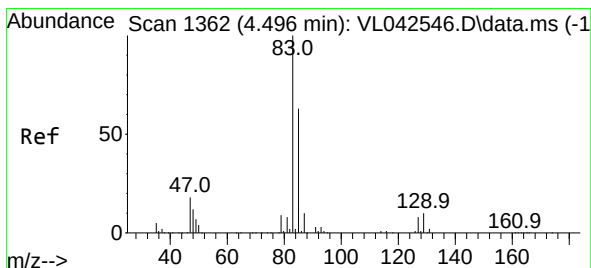
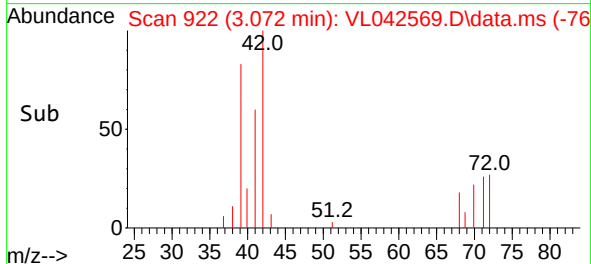
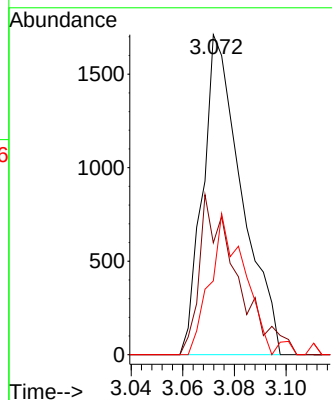
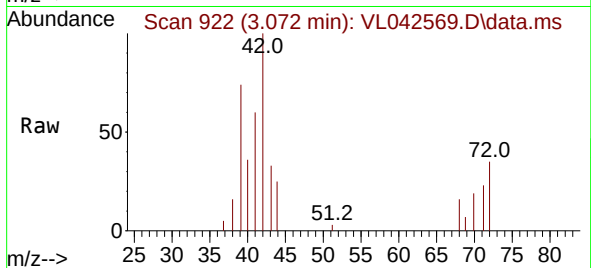




#41
Tetrahydrofuran
Concen: 0.221 ppbv
RT: 3.072 min Scan# 917
Delta R.T. 0.016 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

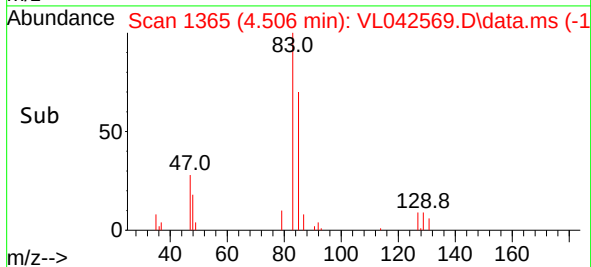
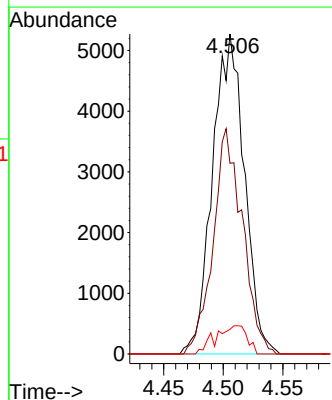
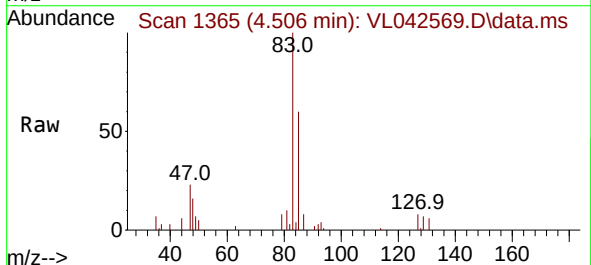
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

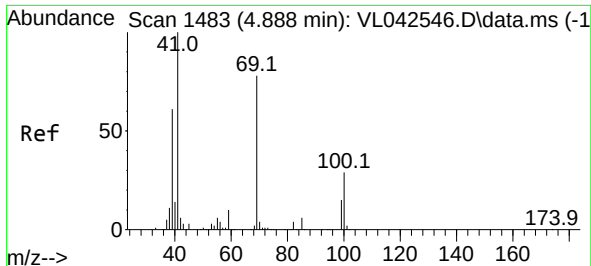
Tgt Ion:	42	Resp:	1790
Ion	Ratio	Lower	Upper
42	100		
72	48.0	34.8	52.2
71	40.2	33.6	50.4



#42
Bromodichloromethane
Concen: 0.448 ppbv
RT: 4.506 min Scan# 1365
Delta R.T. 0.010 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

Tgt Ion:	83	Resp:	9794
Ion	Ratio	Lower	Upper
83	100		
85	59.6	50.4	75.6
127	7.7	6.5	9.7

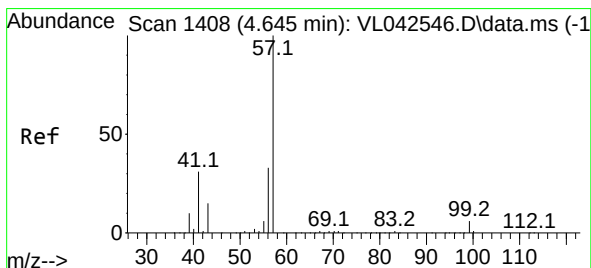
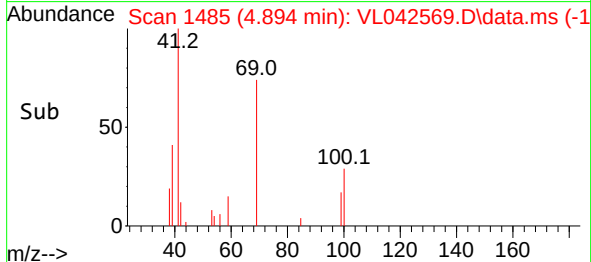
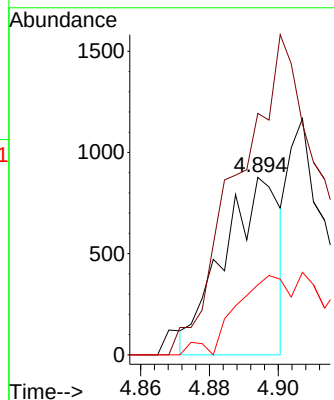
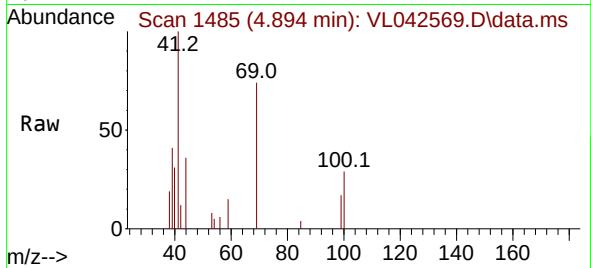




#43
Methyl Methacrylate
Concen: 0.115 ppbv
RT: 4.894 min Scan# 1485
Delta R.T. 0.006 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

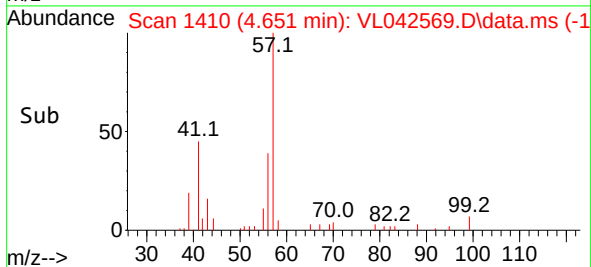
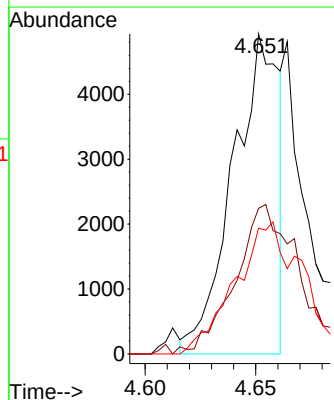
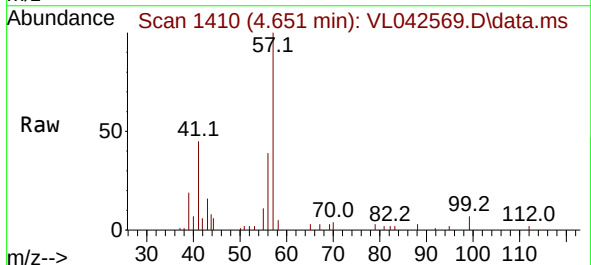
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

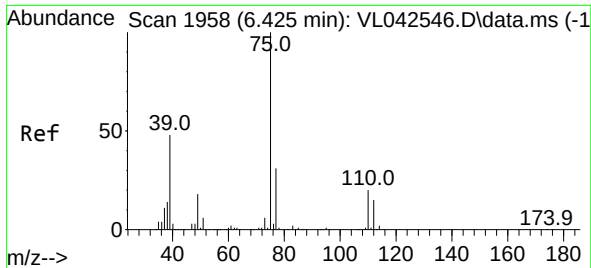
Tgt Ion: 69 Resp: 992
Ion Ratio Lower Upper
69 100
41 0.0 107.8 161.8#
100 0.0 30.3 45.5#



#44
2,2,4-Trimethylpentane
Concen: 0.183 ppbv
RT: 4.651 min Scan# 1410
Delta R.T. 0.006 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

Tgt Ion: 57 Resp: 7102
Ion Ratio Lower Upper
57 100
41 66.4 25.0 37.4#
56 0.0 25.1 37.7#

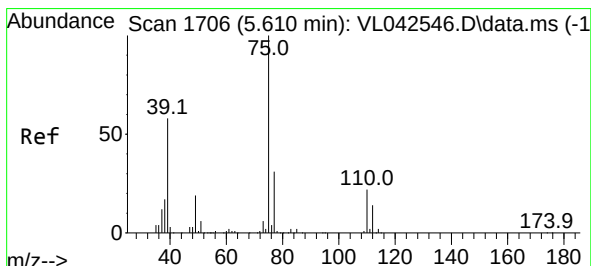
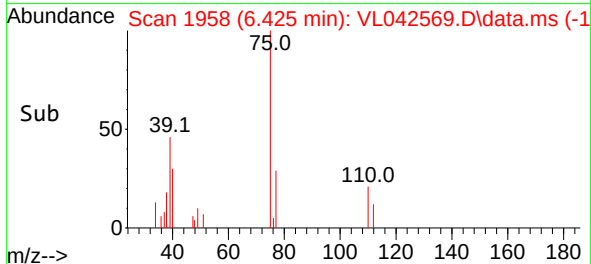
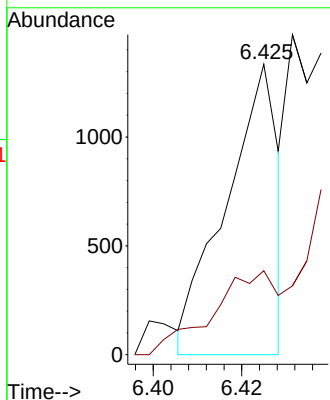
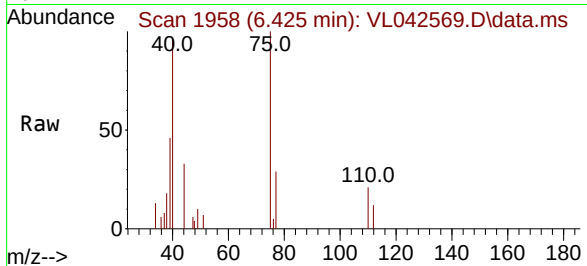




#45
 t-1,3-Dichloropropene
 Concen: 0.099 ppbv
 RT: 6.425 min Scan# 1958
 Delta R.T. -0.000 min
 Lab File: VL042569.D
 Acq: 21 May 2025 16:53

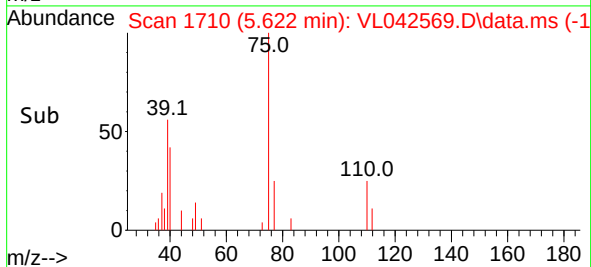
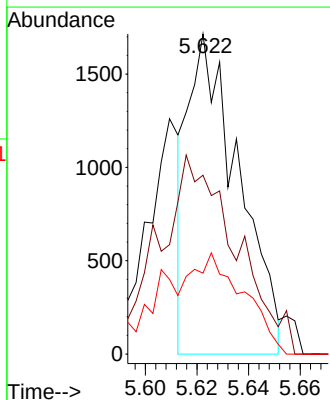
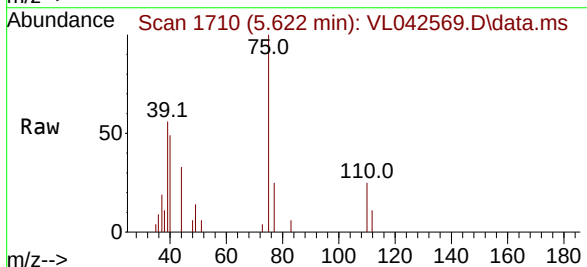
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.40

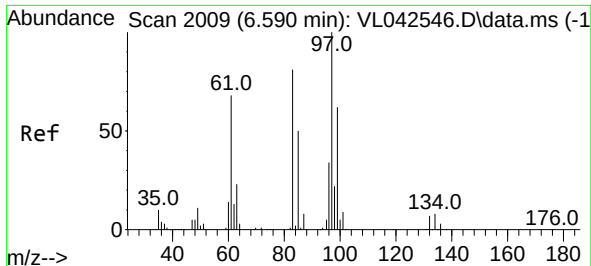
Tgt Ion: 75 Resp: 1087
 Ion Ratio Lower Upper
 75 100
 77 28.9 24.6 37.0



#46
 cis-1,3-Dichloropropene
 Concen: 0.175 ppbv
 RT: 5.622 min Scan# 1710
 Delta R.T. 0.013 min
 Lab File: VL042569.D
 Acq: 21 May 2025 16:53

Tgt Ion: 75 Resp: 2343
 Ion Ratio Lower Upper
 75 100
 39 53.0 46.3 69.5
 77 24.8 25.0 37.6#





#47

1,1,2-Trichloroethane

Concen: 0.177 ppbv

RT: 6.606 min Scan# 2009

Delta R.T. 0.016 min

Lab File: VL042569.D

Acq: 21 May 2025 16:53

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.40

Tgt Ion: 97 Resp: 1891

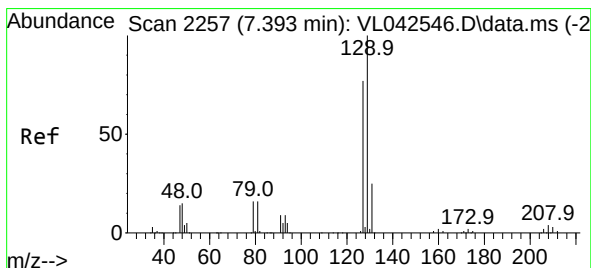
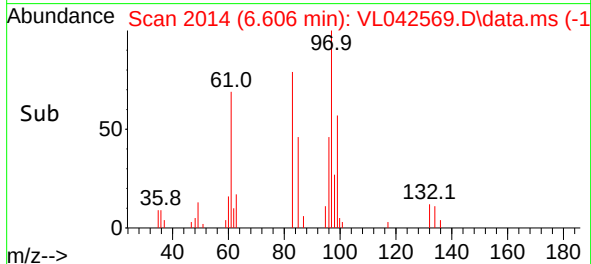
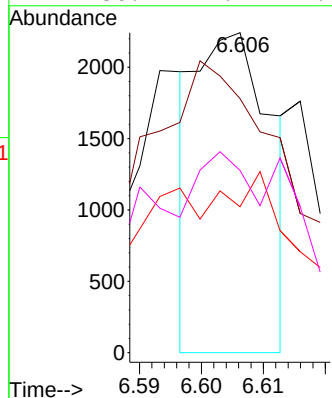
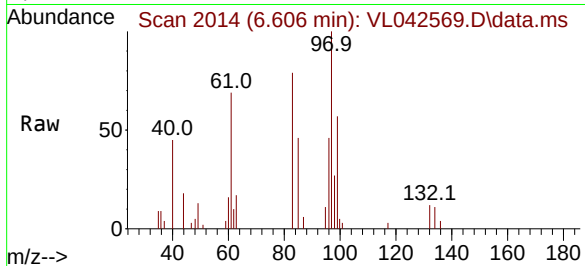
Ion Ratio Lower Upper

97 100

83 46.8 65.0 97.4#

85 28.6 39.9 59.9#

99 56.4 49.4 74.0



#48

Dibromochloromethane

Concen: 0.418 ppbv

RT: 7.399 min Scan# 2259

Delta R.T. 0.006 min

Lab File: VL042569.D

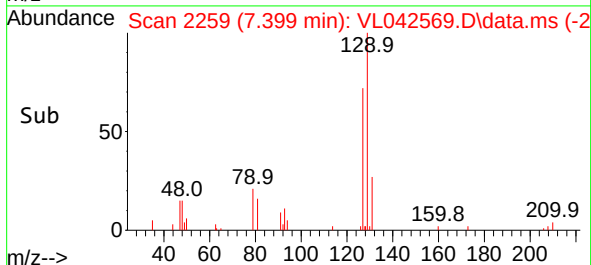
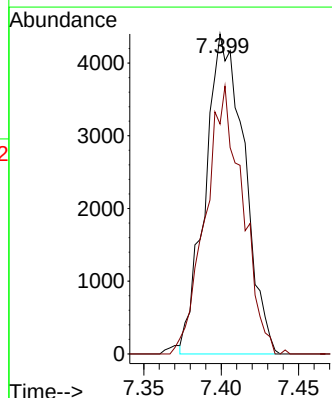
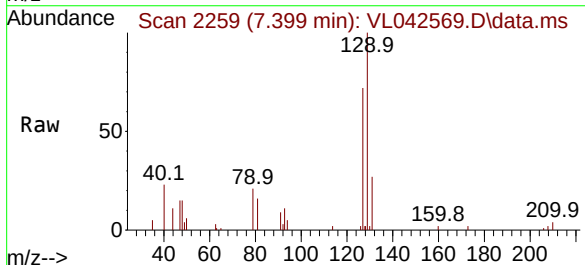
Acq: 21 May 2025 16:53

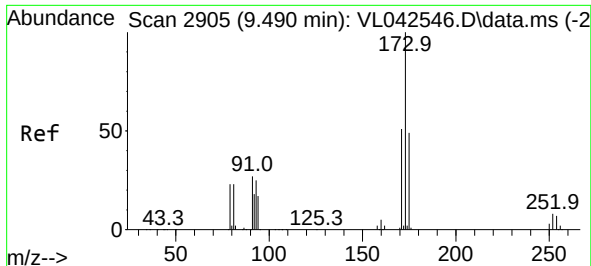
Tgt Ion: 129 Resp: 7711

Ion Ratio Lower Upper

129 100

127 79.7 39.0 117.0





#49

Bromoform

Concen: 0.395 ppbv

RT: 9.497 min Scan# 2905

Delta R.T. 0.006 min

Lab File: VL042569.D

Acq: 21 May 2025 16:53

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.40

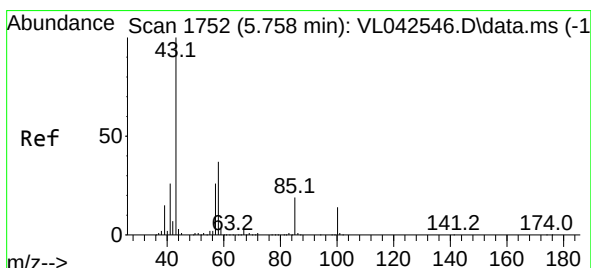
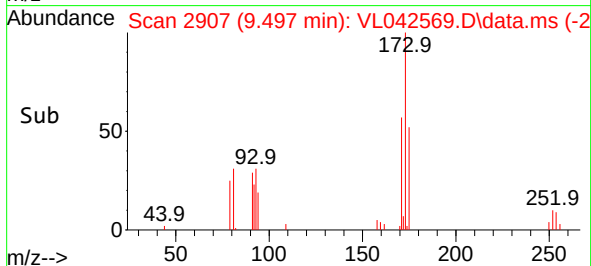
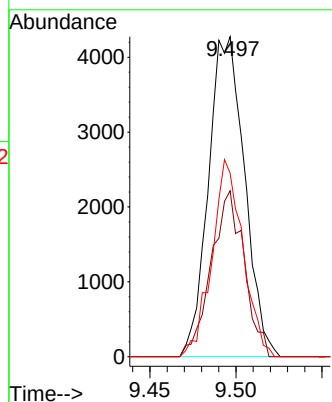
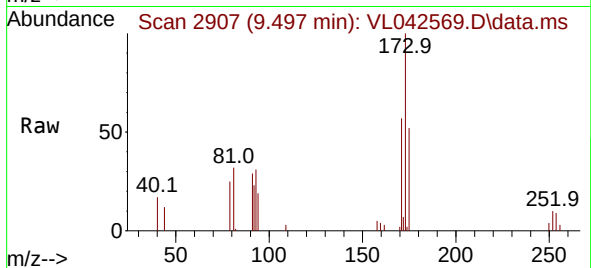
Tgt Ion:173 Resp: 6232

Ion Ratio Lower Upper

173 100

175 47.3 39.2 58.8

171 52.9 41.9 62.9



#50

4-Methyl-2-Pentanone

Concen: 0.051 ppbv

RT: 5.774 min Scan# 1757

Delta R.T. 0.016 min

Lab File: VL042569.D

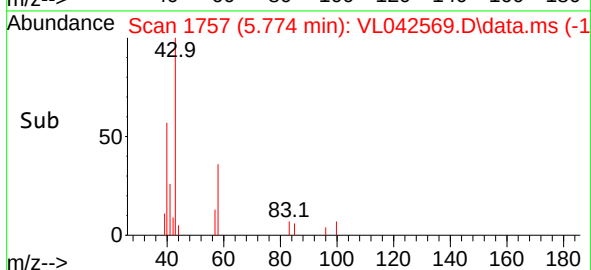
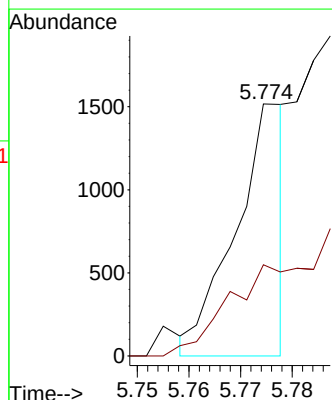
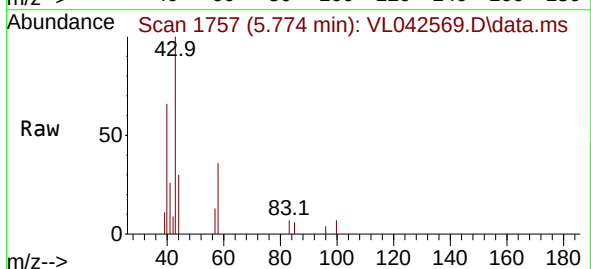
Acq: 21 May 2025 16:53

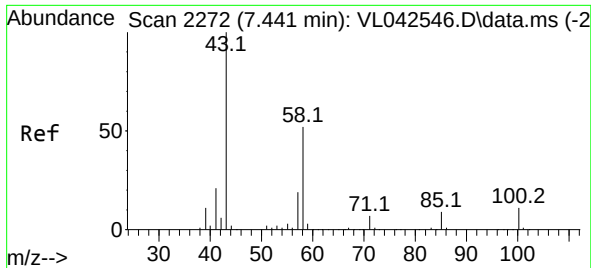
Tgt Ion: 43 Resp: 1019

Ion Ratio Lower Upper

43 100

58 0.0 30.0 45.0#

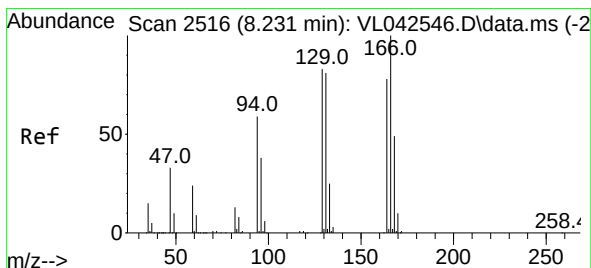
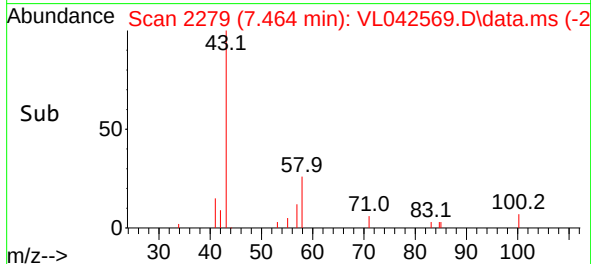
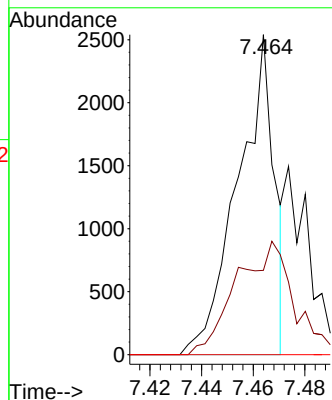
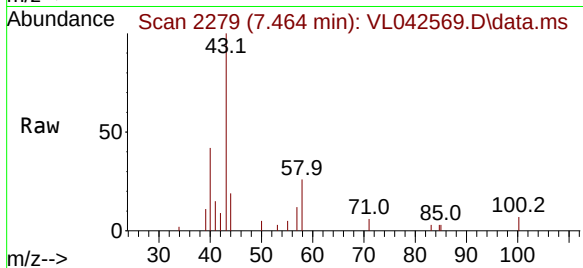




#51
2-Hexanone
Concen: 0.169 ppbv
RT: 7.464 min Scan# 21
Delta R.T. 0.022 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

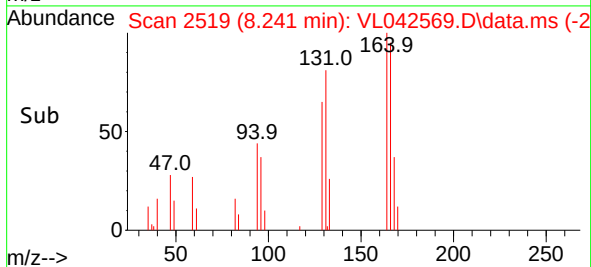
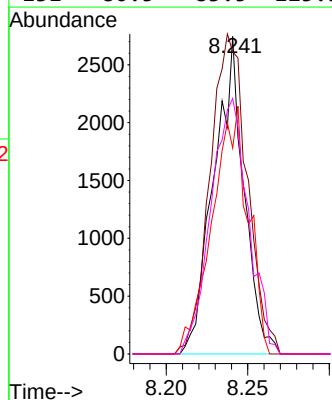
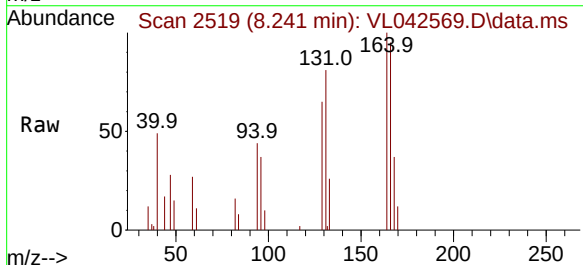
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

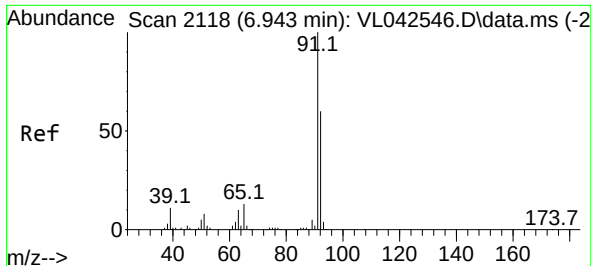
Tgt Ion: 43 Resp: 2485
Ion Ratio Lower Upper
43 100
58 57.4 41.4 62.2
98 0.0 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.356 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. 0.010 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

Tgt Ion: 164 Resp: 3527
Ion Ratio Lower Upper
164 100
166 95.2 103.1 154.7#
129 64.8 85.3 127.9#
131 80.5 83.5 125.3#

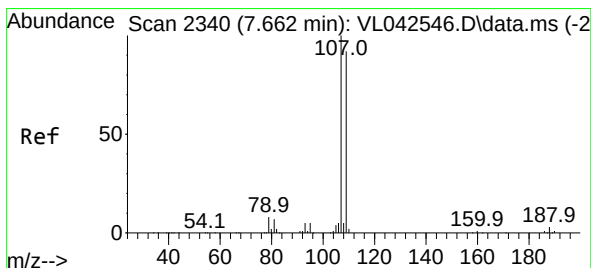
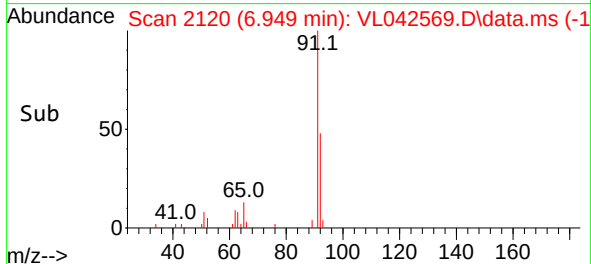
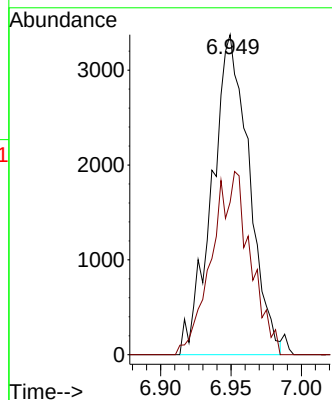
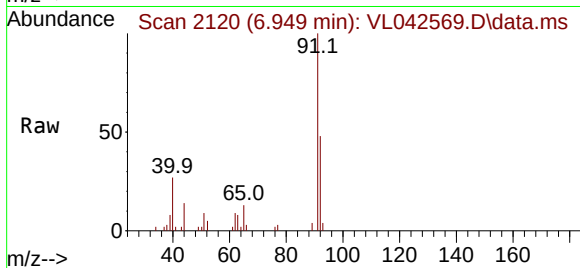




#53
Toluene
Concen: 0.229 ppbv
RT: 6.949 min Scan# 2118
Delta R.T. 0.006 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

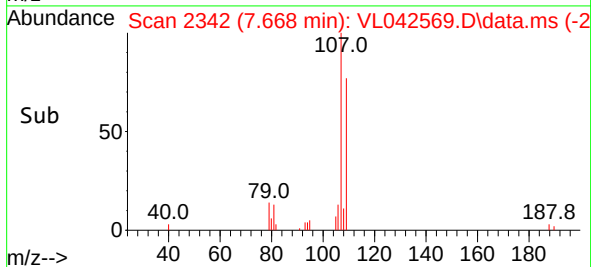
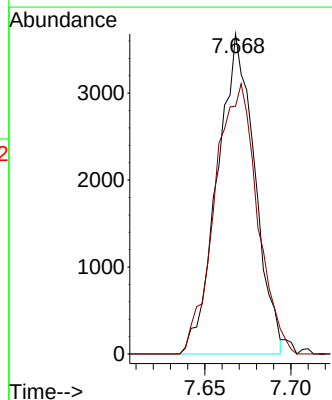
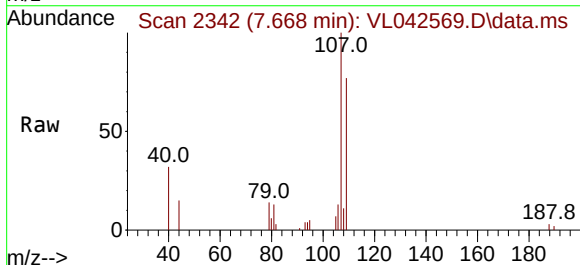
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

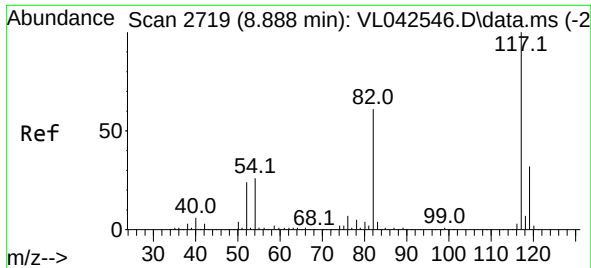
Tgt Ion: 91 Resp: 6199
Ion Ratio Lower Upper
91 100
92 59.4 47.8 71.8



#54
1,2-Dibromoethane
Concen: 0.357 ppbv
RT: 7.668 min Scan# 2342
Delta R.T. 0.006 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

Tgt Ion: 107 Resp: 5552
Ion Ratio Lower Upper
107 100
109 77.4 73.4 110.2

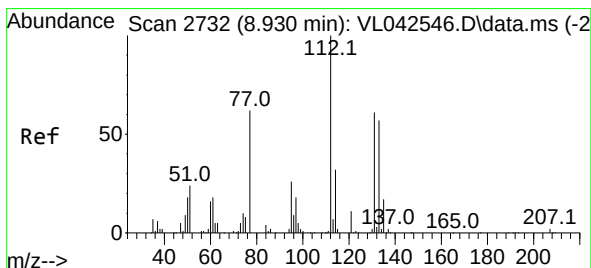
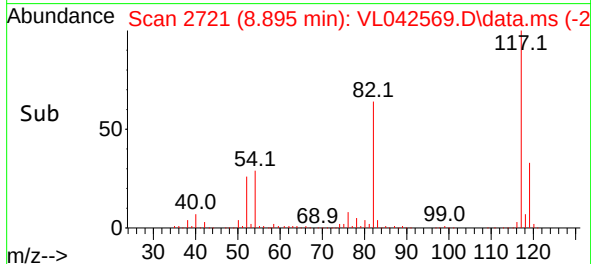
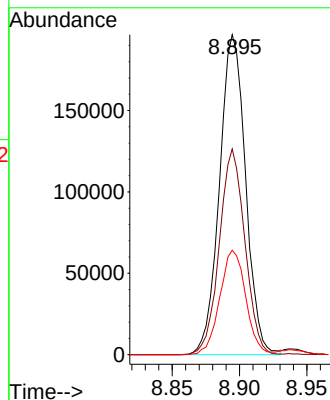
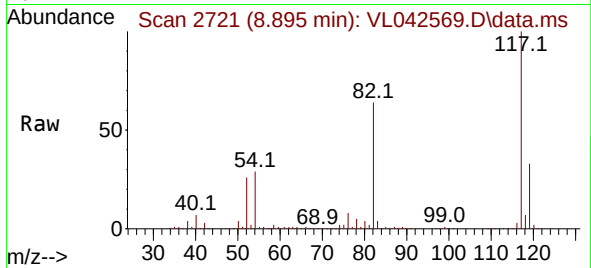




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

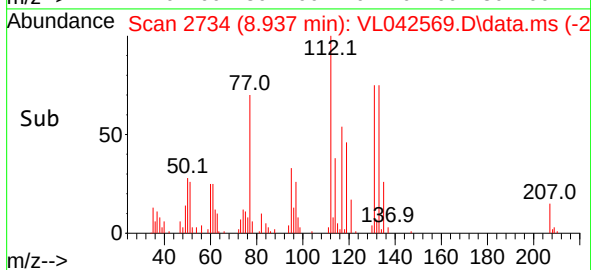
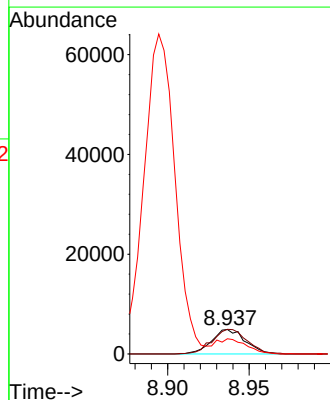
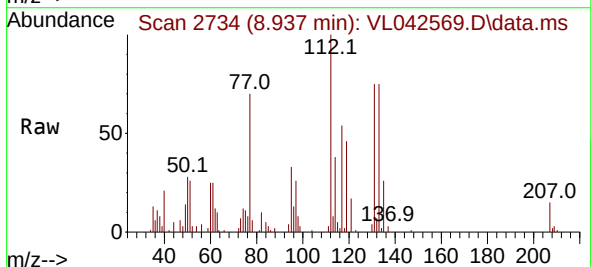
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

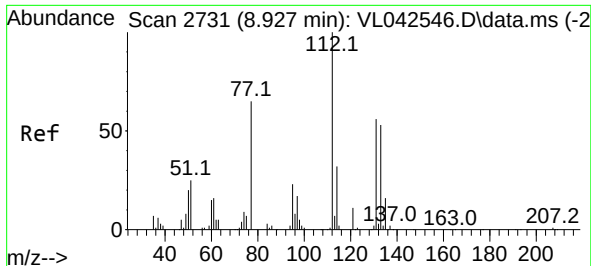
Tgt Ion:117 Resp: 264717
Ion Ratio Lower Upper
117 100
82 63.2 51.0 76.4
119 34.0 27.0 40.4



#56
1,1,1,2-Tetrachloroethane
Concen: 0.499 ppbv
RT: 8.937 min Scan# 2734
Delta R.T. 0.006 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

Tgt Ion:131 Resp: 7040
Ion Ratio Lower Upper
131 100
133 104.2 76.3 114.5
119 1279.7 47.5 71.3#

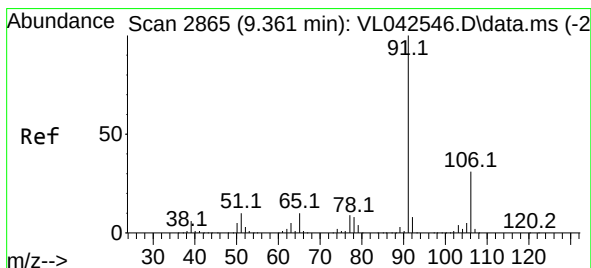
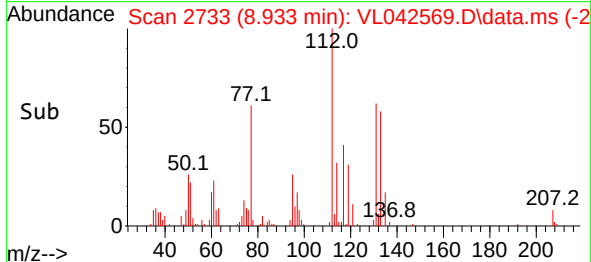
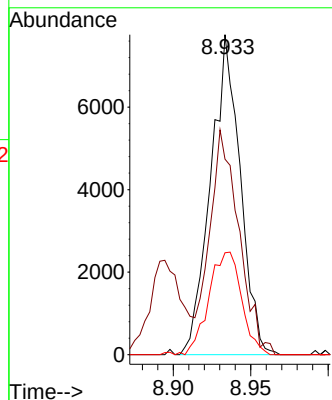
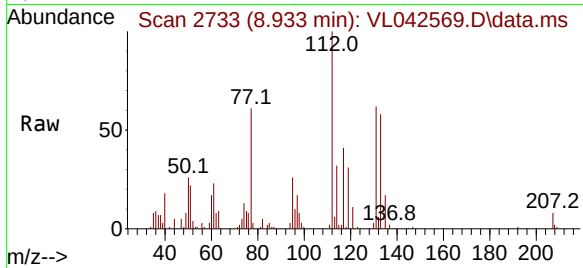




#57
Chlorobenzene
Concen: 0.438 ppbv
RT: 8.933 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

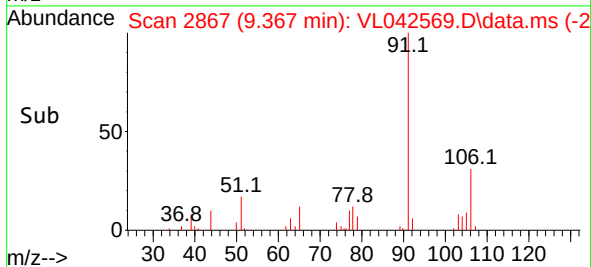
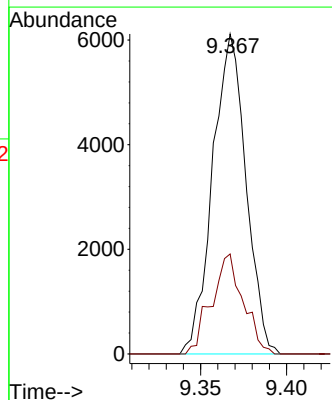
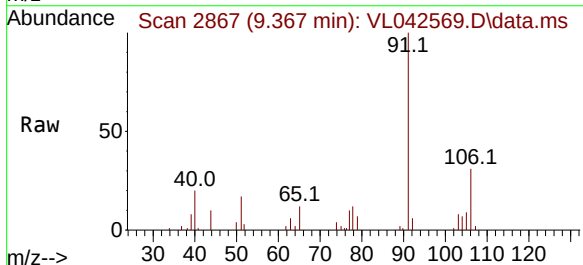
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

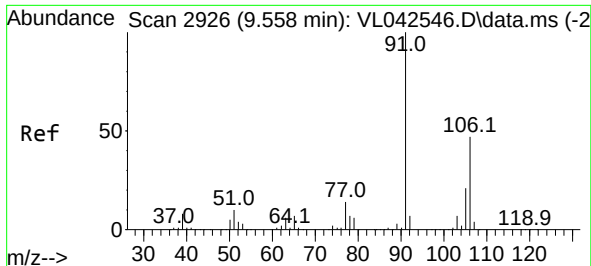
Tgt Ion: 112 Resp: 10326
Ion Ratio Lower Upper
112 100
77 61.1 53.2 79.8
114 31.9 28.4 34.8



#58
Ethyl Benzene
Concen: 0.238 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. 0.006 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

Tgt Ion: 91 Resp: 8257
Ion Ratio Lower Upper
91 100
106 31.2 24.6 37.0





#59

m/p-Xylene

Concen: 0.255 ppbv

RT: 9.561 min Scan# 2926

Delta R.T. 0.003 min

Lab File: VL042569.D

Acq: 21 May 2025 16:53

Instrument :

MSVOA_1

ClientSampleId :

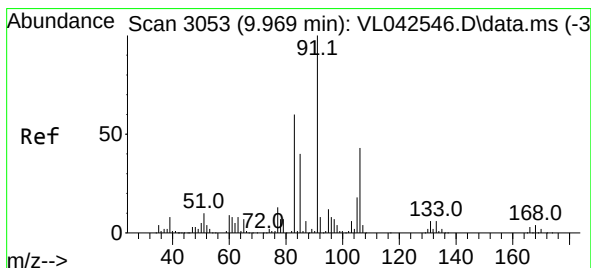
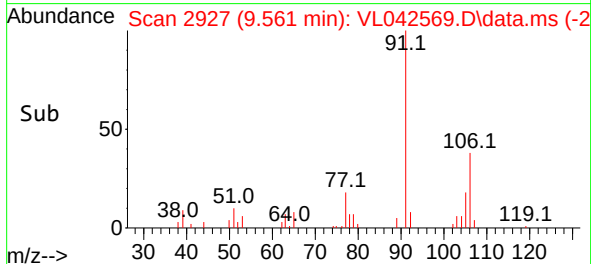
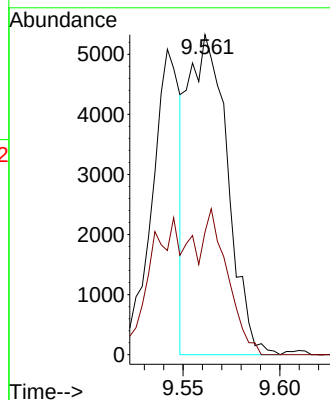
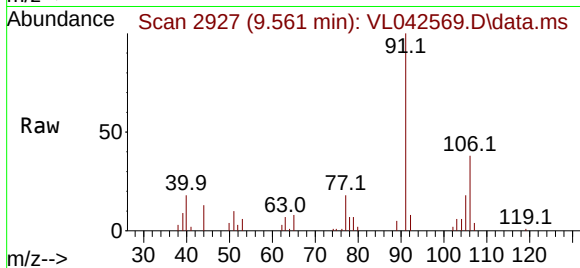
MDL 0.40

Tgt Ion: 91 Resp: 7552

Ion Ratio Lower Upper

91 100

106 74.0 37.1 55.7#



#60

o-Xylene

Concen: 0.217 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. 0.003 min

Lab File: VL042569.D

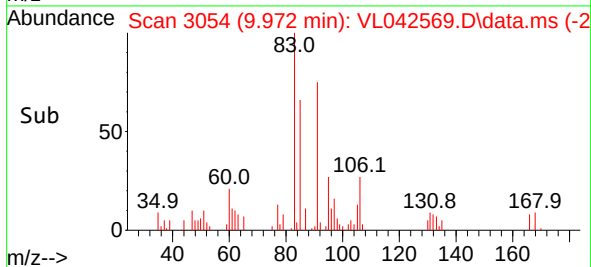
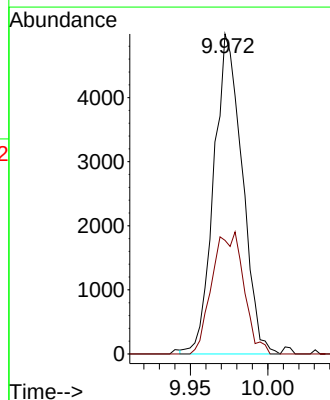
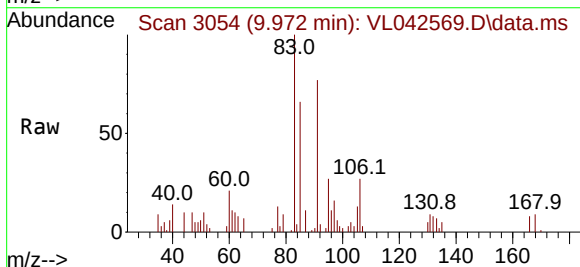
Acq: 21 May 2025 16:53

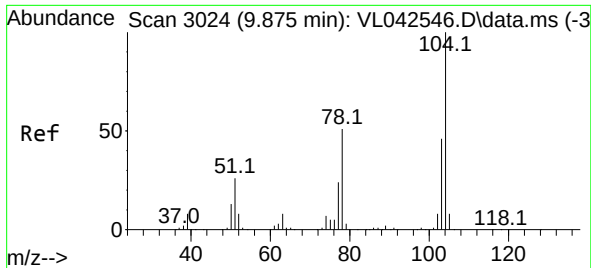
Tgt Ion: 91 Resp: 6349

Ion Ratio Lower Upper

91 100

106 42.6 21.6 64.8





#61

Styrene

Concen: 0.199 ppbv

RT: 9.882 min Scan# 3024

Delta R.T. 0.006 min

Lab File: VL042569.D

Acq: 21 May 2025 16:53

Instrument :

MSVOA_1

ClientSampleId :

MDL 0.40

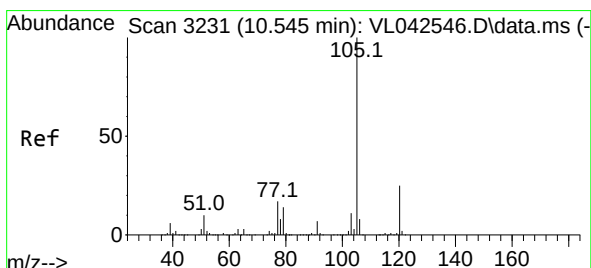
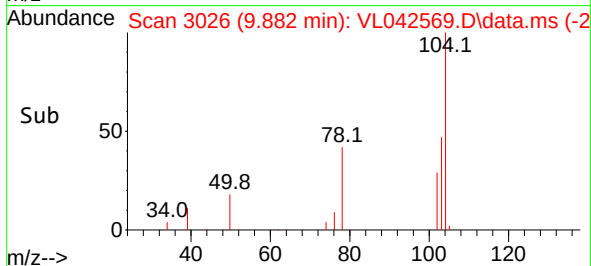
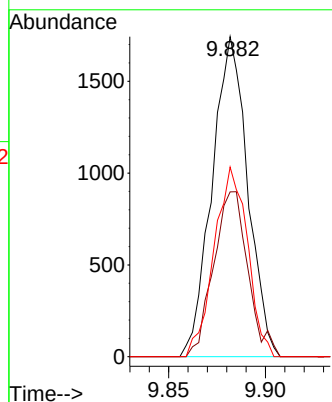
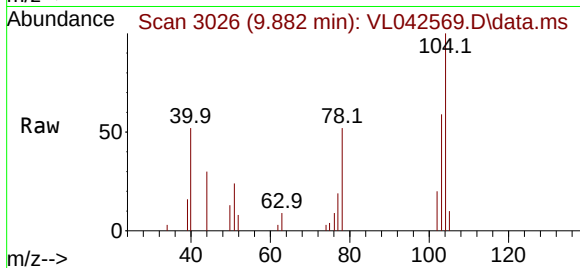
Tgt Ion:104 Resp: 2231

Ion Ratio Lower Upper

104 100

78 49.8 39.2 58.8

103 55.4 37.1 55.7



#62

Isopropylbenzene

Concen: 0.272 ppbv

RT: 10.548 min Scan# 3232

Delta R.T. 0.003 min

Lab File: VL042569.D

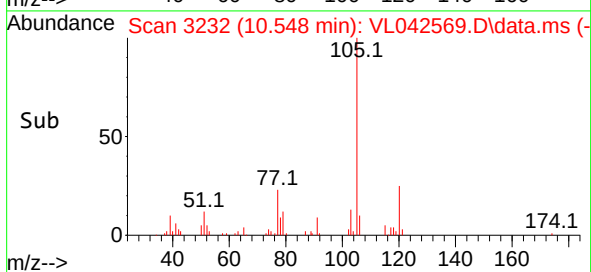
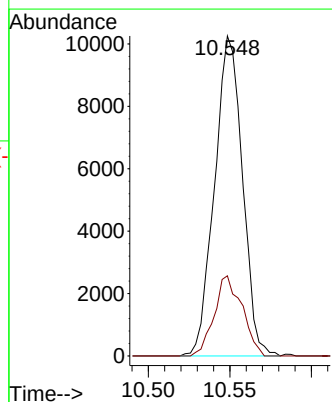
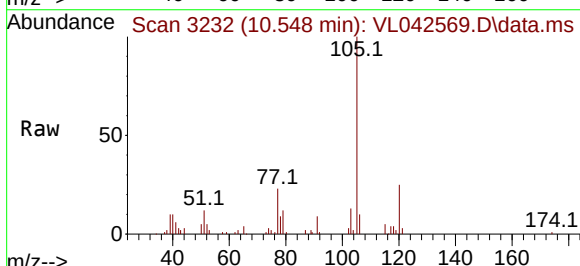
Acq: 21 May 2025 16:53

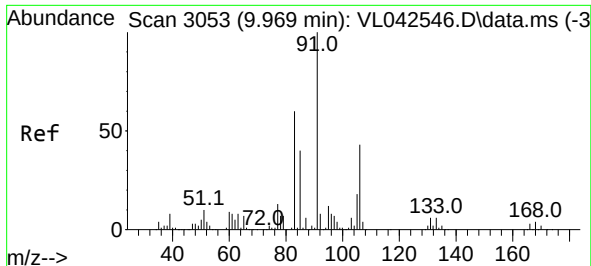
Tgt Ion:105 Resp: 12194

Ion Ratio Lower Upper

105 100

120 24.9 20.0 30.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.191 ppbv

RT: 9.979 min Scan# 3053

Delta R.T. 0.010 min

Lab File: VL042569.D

Acq: 21 May 2025 16:53

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.40

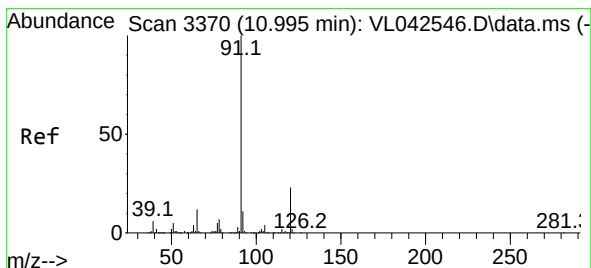
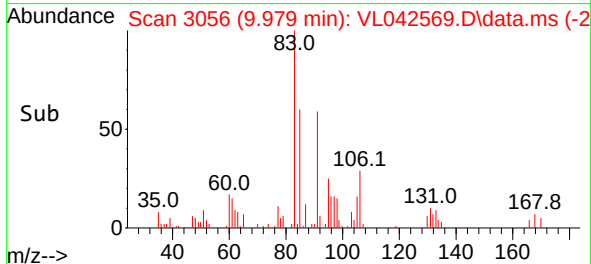
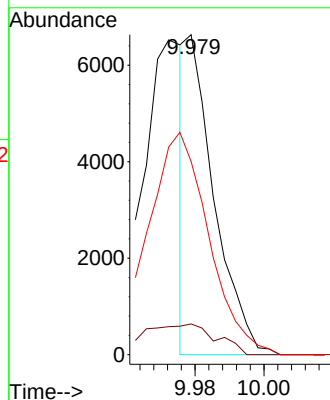
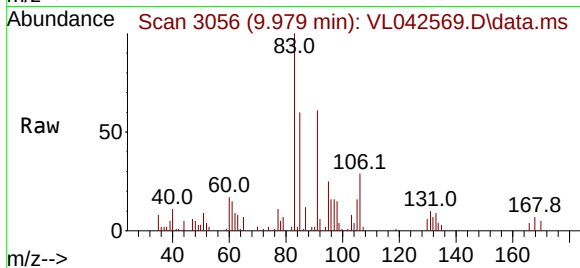
Tgt Ion: 83 Resp: 3750

Ion Ratio Lower Upper

83 100

131 25.7 5.1 15.3#

85 154.7 32.5 97.4#



#64

n-propylbenzene

Concen: 0.225 ppbv

RT: 10.998 min Scan# 3371

Delta R.T. 0.003 min

Lab File: VL042569.D

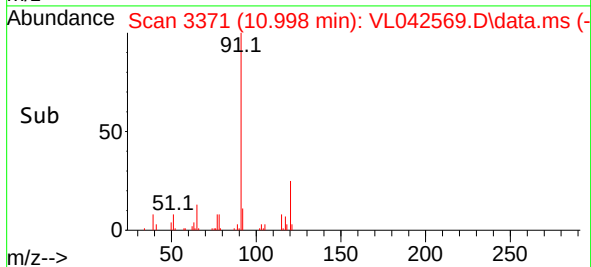
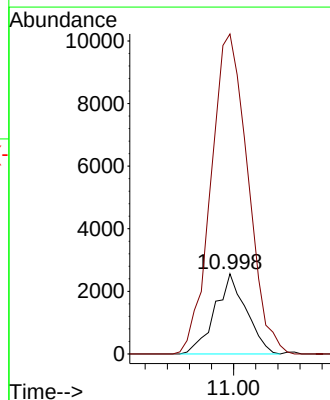
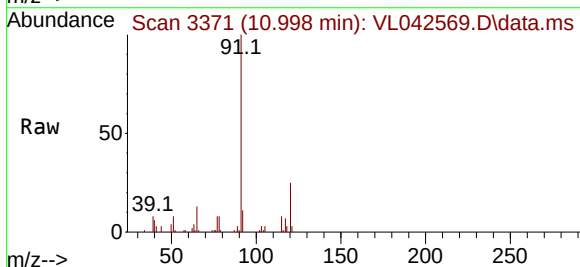
Acq: 21 May 2025 16:53

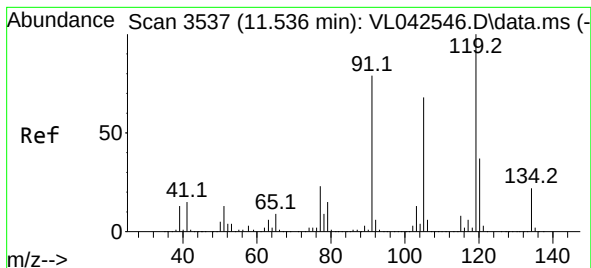
Tgt Ion: 120 Resp: 2513

Ion Ratio Lower Upper

120 100

91 469.9 367.0 550.4





#65

tert-Butylbenzene

Concen: 0.207 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.006 min

Lab File: VL042569.D

Acq: 21 May 2025 16:53

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.40

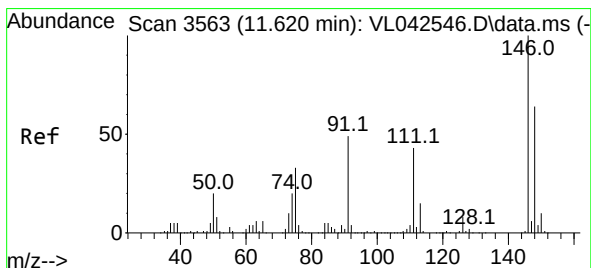
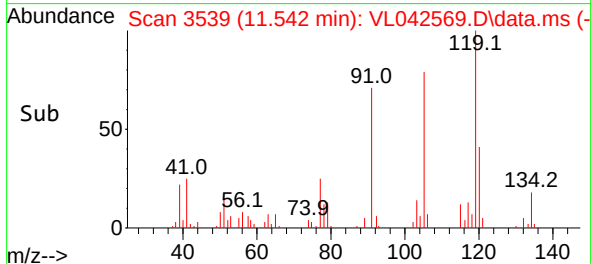
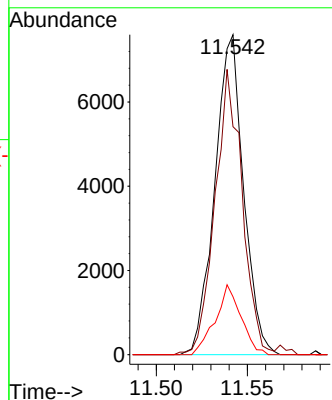
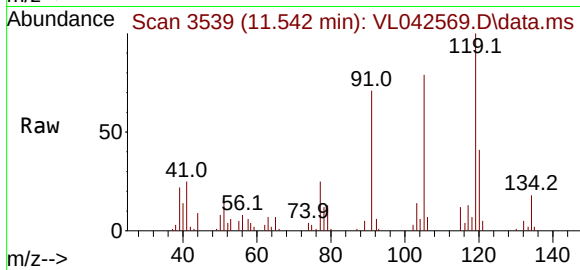
Tgt Ion:119 Resp: 8340

Ion Ratio Lower Upper

119 100

91 85.0 62.7 94.1

134 19.6 16.8 25.2



#66

Benzyl Chloride

Concen: 0.336 ppbv

RT: 11.626 min Scan# 3565

Delta R.T. 0.006 min

Lab File: VL042569.D

Acq: 21 May 2025 16:53

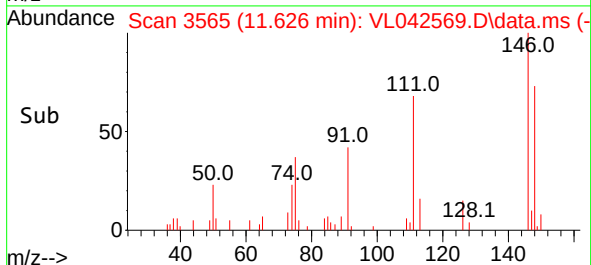
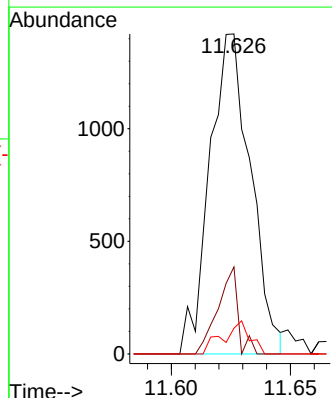
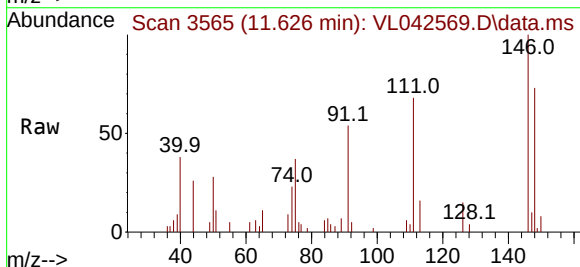
Tgt Ion: 91 Resp: 1695

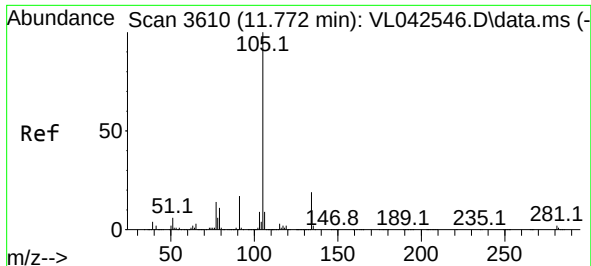
Ion Ratio Lower Upper

91 100

126 13.3 14.2 21.2#

128 6.7 4.6 6.8

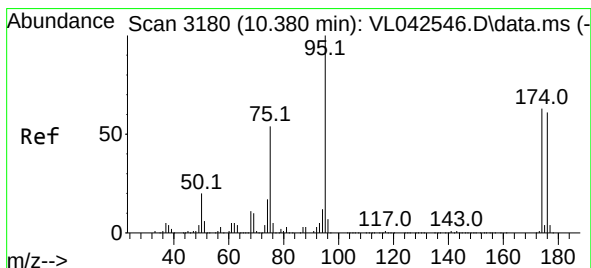
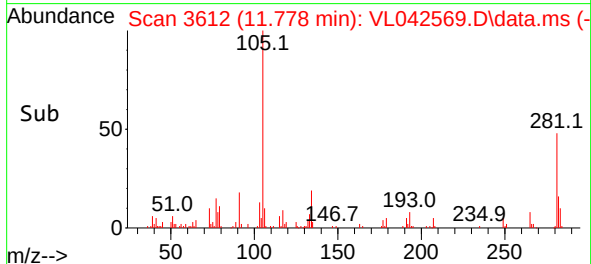
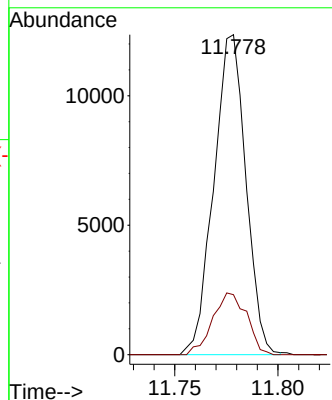
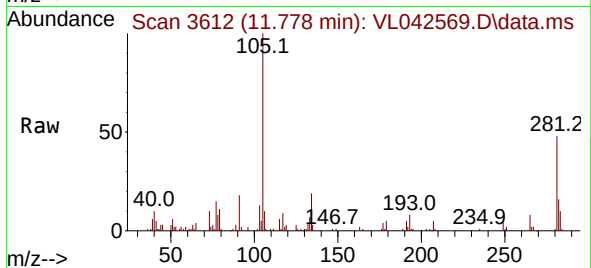




#67
 sec-Butylbenzene
 Concen: 0.234 ppbv
 RT: 11.778 min Scan# 3612
 Delta R.T. 0.006 min
 Lab File: VL042569.D
 Acq: 21 May 2025 16:53

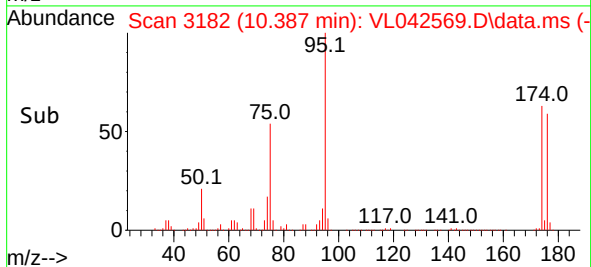
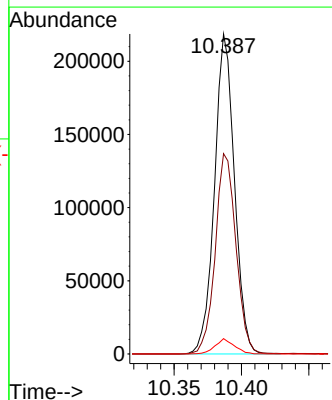
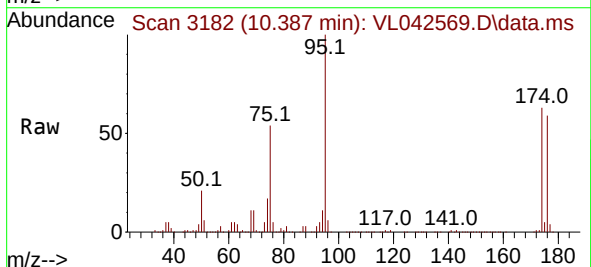
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.40

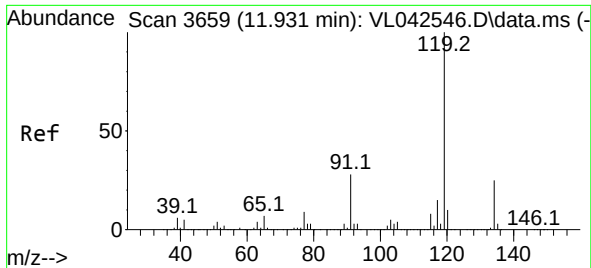
Tgt Ion:105 Resp: 13347
 Ion Ratio Lower Upper
 105 100
 134 20.5 15.4 23.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.639 ppbv
 RT: 10.387 min Scan# 3182
 Delta R.T. 0.006 min
 Lab File: VL042569.D
 Acq: 21 May 2025 16:53

Tgt Ion: 95 Resp: 225408
 Ion Ratio Lower Upper
 95 100
 174 64.9 52.0 78.0
 175 4.6 3.8 5.6

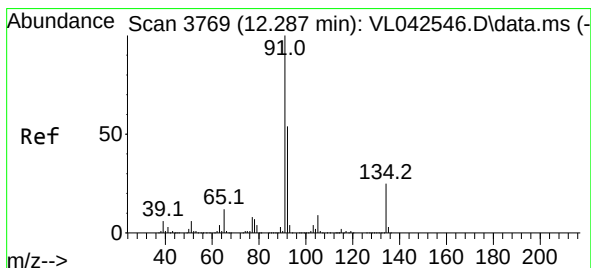
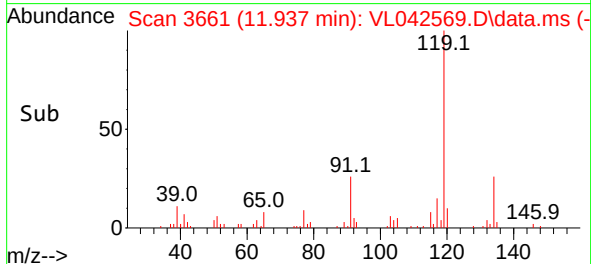
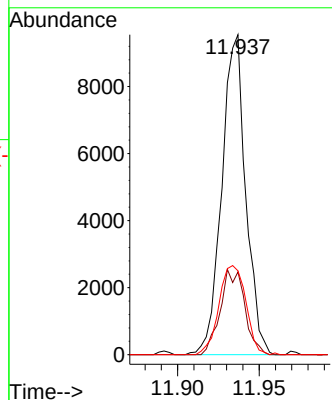
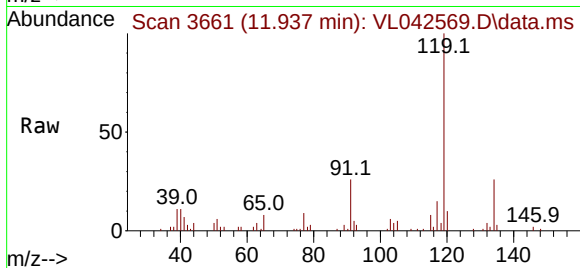




#69
p-Isopropyltoluene
Concen: 0.207 ppbv
RT: 11.937 min Scan# 3661
Delta R.T. 0.006 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

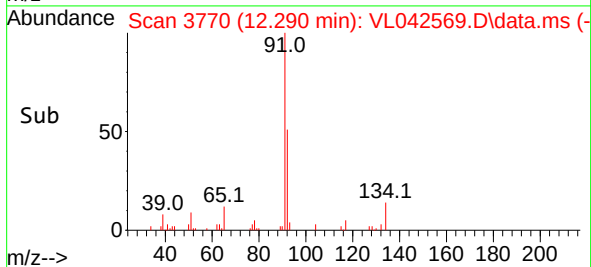
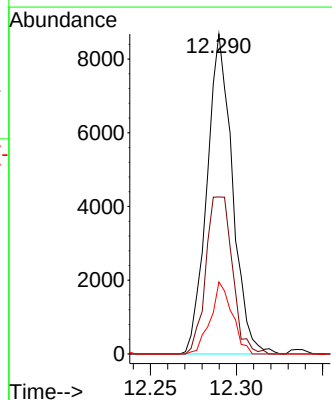
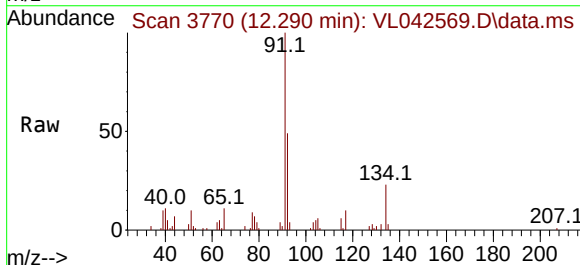
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

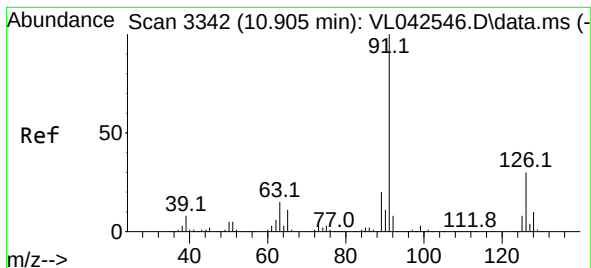
Tgt Ion:	119	Resp:	9748
Ion	Ratio	Lower	Upper
119	100		
134	27.2	20.1	30.1
91	31.3	22.3	33.5



#70
n-Butylbenzene
Concen: 0.201 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. 0.003 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

Tgt Ion:	91	Resp:	8943
Ion	Ratio	Lower	Upper
91	100		
92	51.1	43.8	65.6
134	19.1	19.7	29.5





#71

2-Chlorotoluene

Concen: 0.246 ppbv

RT: 10.911 min Scan# 31

Delta R.T. 0.006 min

Lab File: VL042569.D

Acq: 21 May 2025 16:53

Instrument :

MSVOA_L

ClientSampleId :

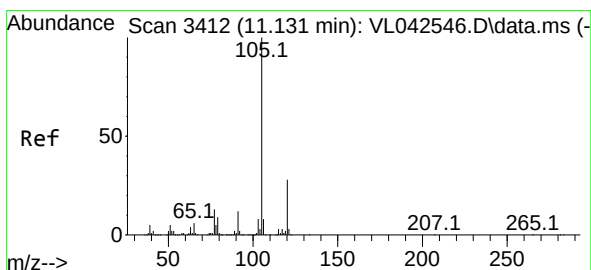
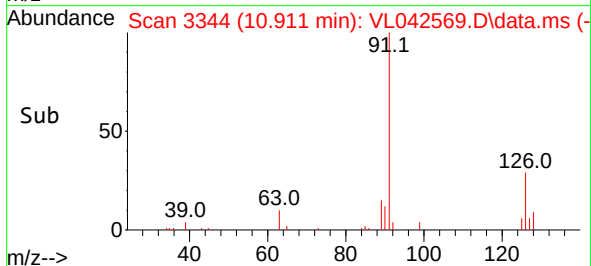
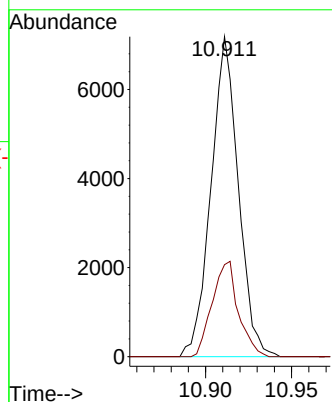
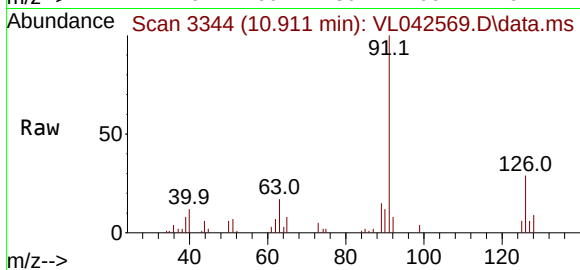
MDL 0.40

Tgt Ion: 91 Resp: 7938

Ion Ratio Lower Upper

91 100

126 28.5 12.4 49.4



#72

4-Ethyltoluene

Concen: 0.206 ppbv

RT: 11.131 min Scan# 3412

Delta R.T. -0.000 min

Lab File: VL042569.D

Acq: 21 May 2025 16:53

Tgt Ion: 105 Resp: 7449

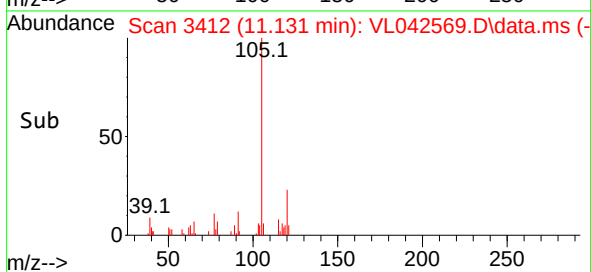
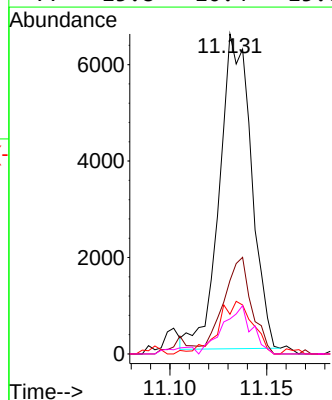
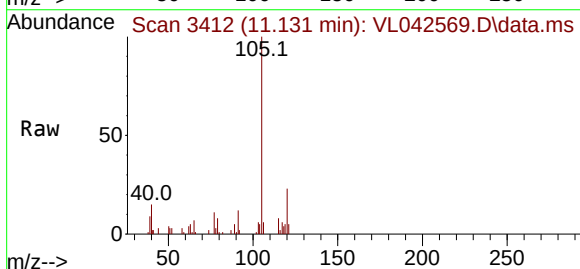
Ion Ratio Lower Upper

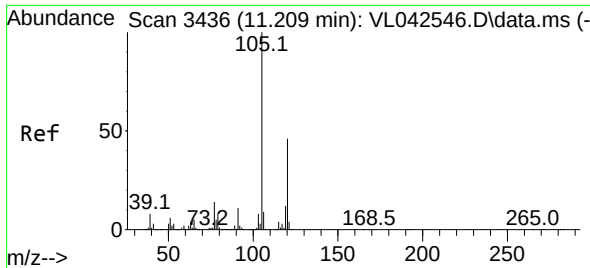
105 100

120 30.4 23.4 35.0

91 20.0 10.2 15.4#

77 15.8 10.4 15.6#

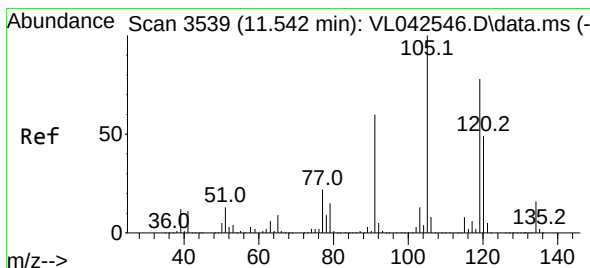
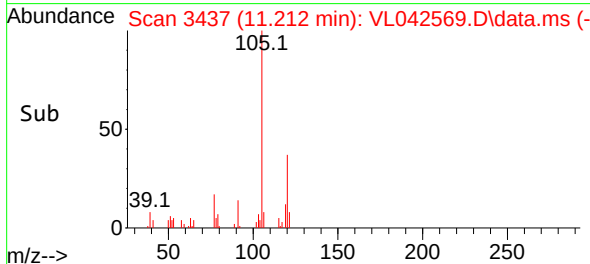
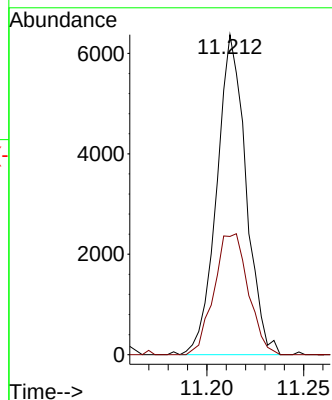
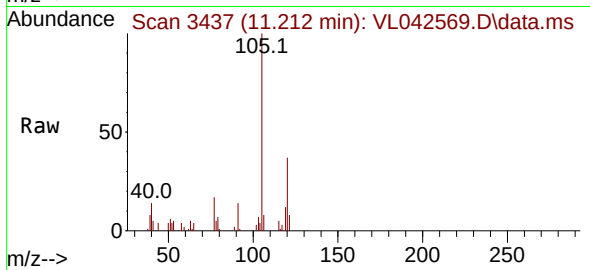




#73
1,3,5-Trimethylbenzene
Concen: 0.214 ppbv
RT: 11.212 min Scan# 3436
Delta R.T. 0.003 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

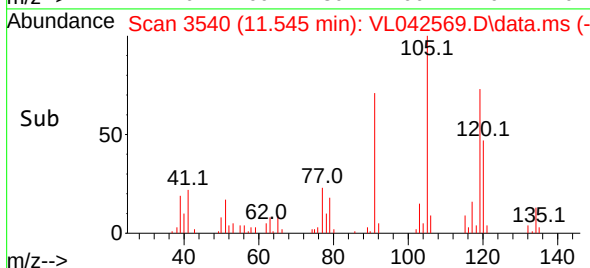
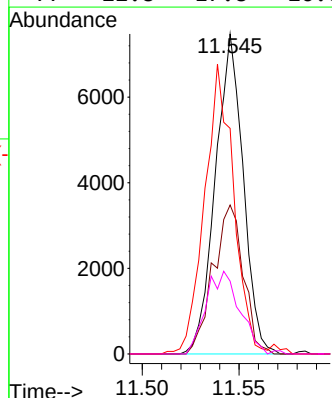
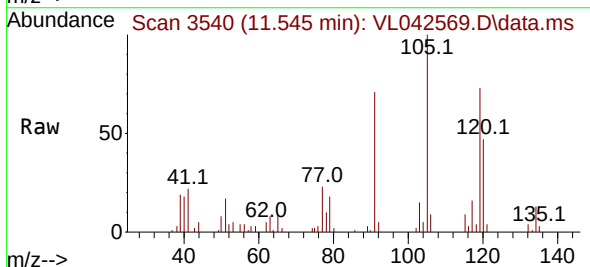
Instrument :
MSVOA_1
ClientSampleId :
MDL 0.40

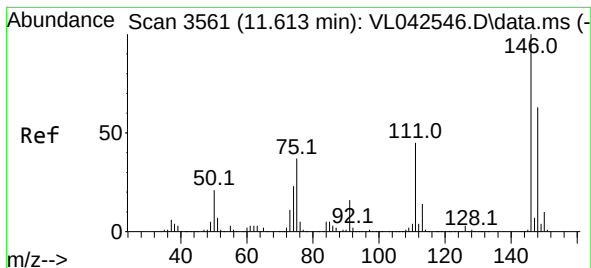
Tgt Ion:105 Resp: 6689
Ion Ratio Lower Upper
105 100
120 37.0 36.5 54.7



#74
1,2,4-Trimethylbenzene
Concen: 0.198 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. 0.003 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

Tgt Ion:105 Resp: 7466
Ion Ratio Lower Upper
105 100
120 46.6 39.4 59.0
91 69.1 47.8 71.8
77 22.8 17.8 26.6





#75

1,3-Dichlorobenzene

Concen: 0.348 ppbv

RT: 11.617 min Scan# 3561

Delta R.T. 0.003 min

Lab File: VL042569.D

Acq: 21 May 2025 16:53

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.40

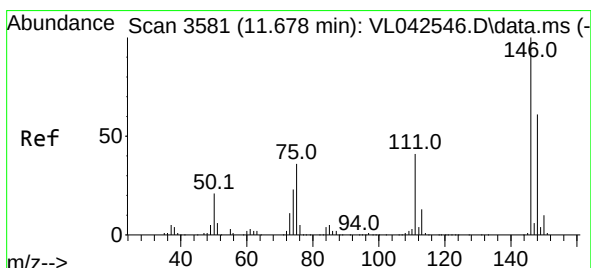
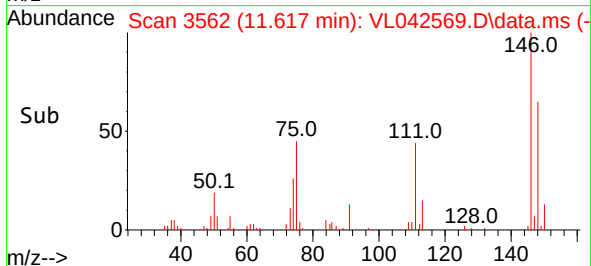
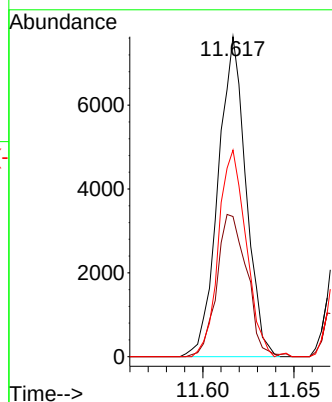
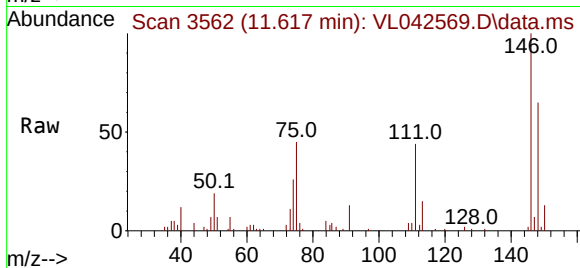
Tgt Ion:146 Resp: 8111

Ion Ratio Lower Upper

146 100

111 47.8 22.8 68.4

148 64.0 31.6 94.8



#76

1,4-Dichlorobenzene

Concen: 0.299 ppbv

RT: 11.681 min Scan# 3582

Delta R.T. 0.003 min

Lab File: VL042569.D

Acq: 21 May 2025 16:53

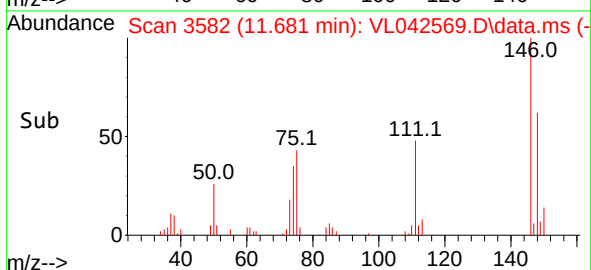
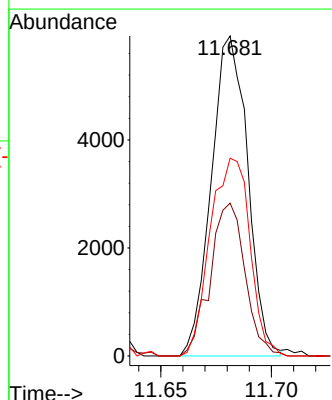
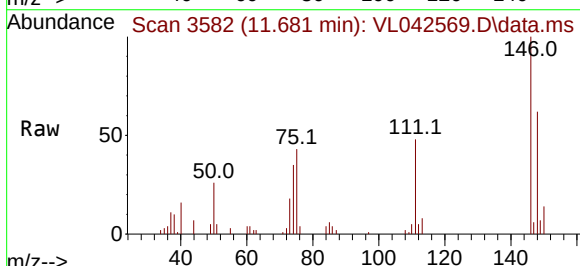
Tgt Ion:146 Resp: 6760

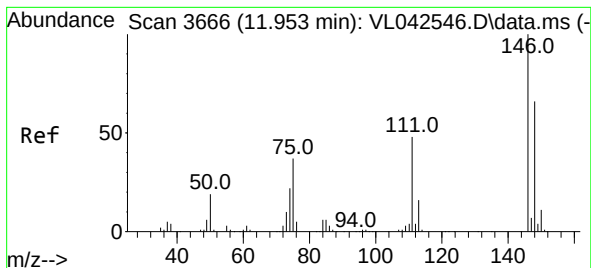
Ion Ratio Lower Upper

146 100

111 46.0 21.8 65.3

148 67.4 31.4 94.3





#77

1,2-Dichlorobenzene

Concen: 0.361 ppbv

RT: 11.956 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL042569.D

Acq: 21 May 2025 16:53

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.40

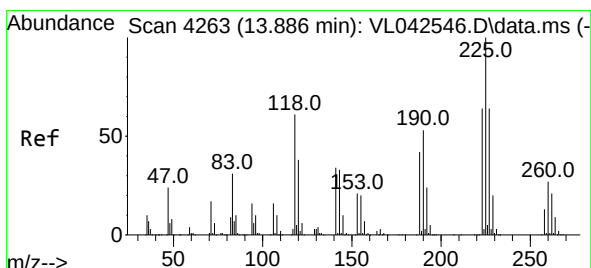
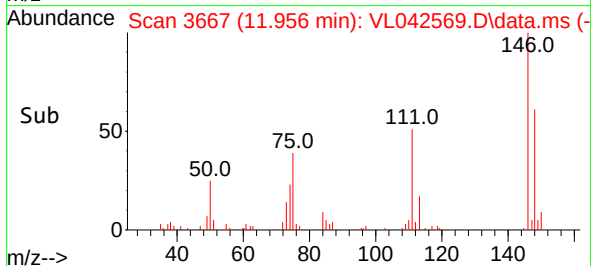
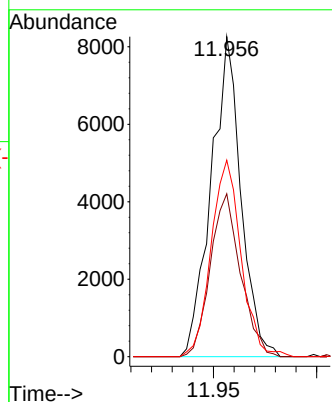
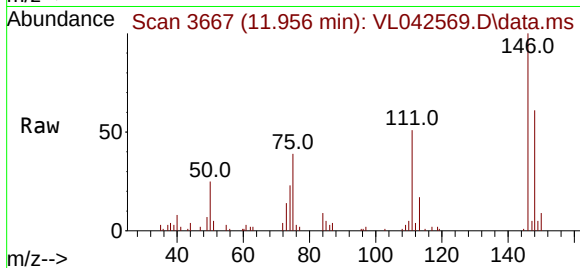
Tgt Ion:146 Resp: 8280

Ion Ratio Lower Upper

146 100

111 51.7 23.7 71.1

148 61.7 32.3 96.9



#78

Hexachloro-1,3-Butadiene

Concen: 0.451 ppbv

RT: 13.889 min Scan# 4264

Delta R.T. 0.003 min

Lab File: VL042569.D

Acq: 21 May 2025 16:53

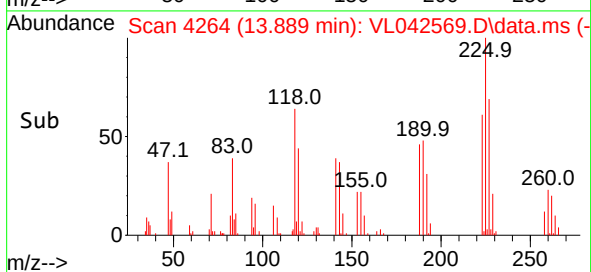
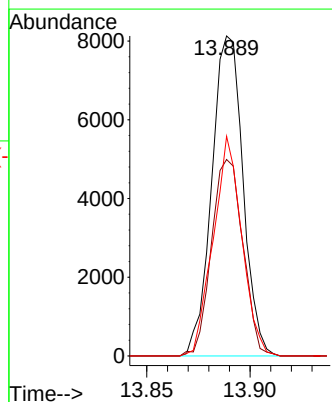
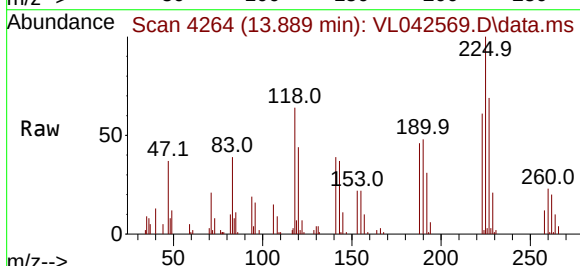
Tgt Ion:225 Resp: 8556

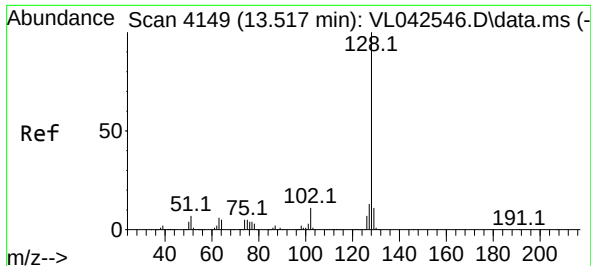
Ion Ratio Lower Upper

225 100

223 61.7 51.0 76.6

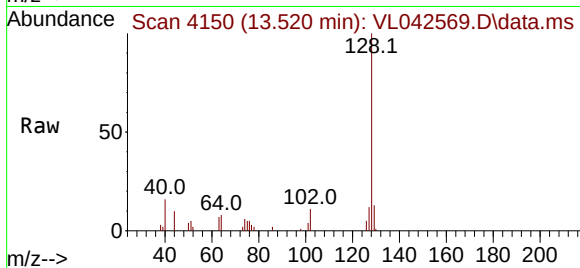
227 62.8 50.2 75.4



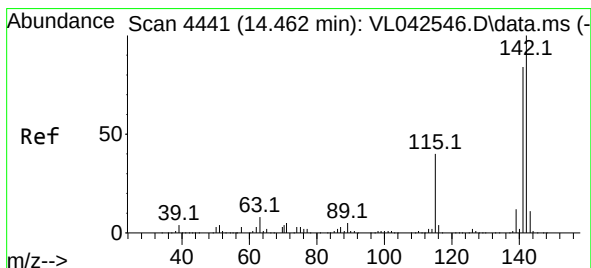
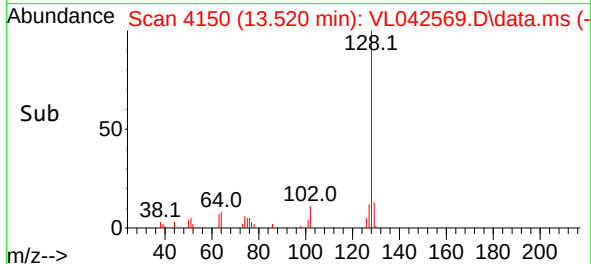
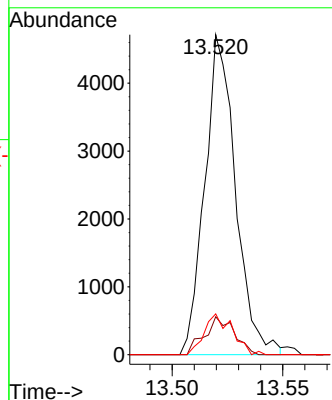


#79
Naphthalene
Concen: 0.161 ppbv
RT: 13.520 min Scan# 4149
Delta R.T. 0.003 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

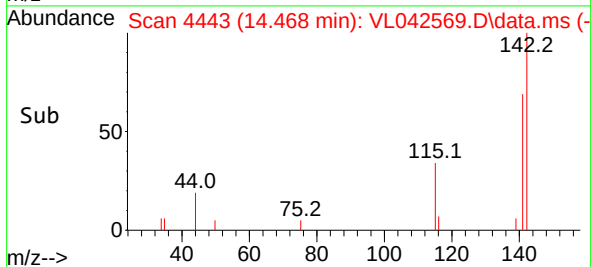
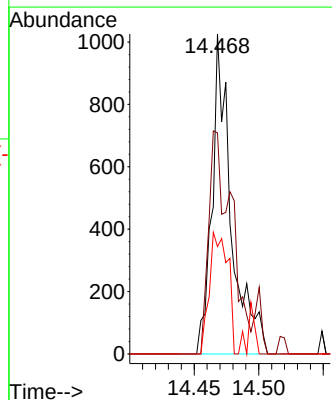
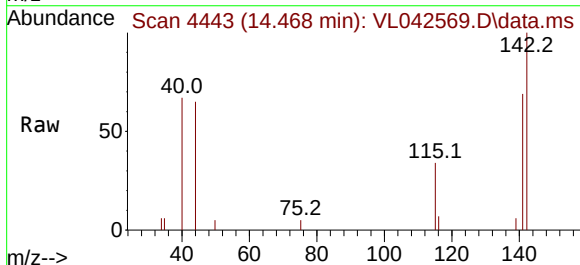


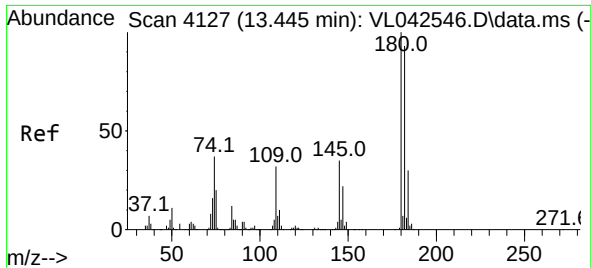
Tgt Ion:128	Resp:	4551
Ion	Ratio	Lower Upper
128	100	
127	11.9	10.5 15.7
129	12.7	9.0 13.4



#80
Naphthalene,2-methyl-
Concen: 0.073 ppbv
RT: 14.468 min Scan# 4443
Delta R.T. 0.006 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

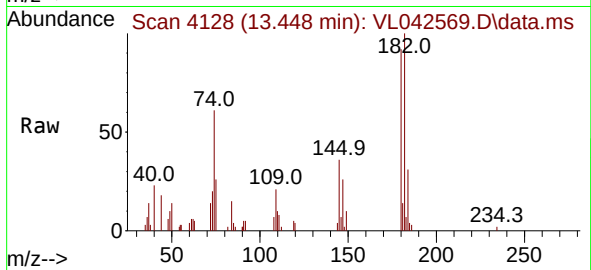
Tgt Ion:142	Resp:	1060
Ion	Ratio	Lower Upper
142	100	
141	91.9	67.4 101.0
115	42.6	31.5 47.3





#81
 1,2,4-Trichlorobenzene
 Concen: 0.170 ppbv
 RT: 13.448 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042569.D
 Acq: 21 May 2025 16:53

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.40



Tgt Ion:	180	Resp:	2895
Ion	Ratio	Lower	Upper
180	100		
182	98.6	75.6	113.4
184	32.5	23.7	35.5

